

Appendix B

Resource Issues, Concerns, and Comments Tracking

APPENDIX B
RESOURCE ISSUES, CONCERNS, AND COMMENTS TRACKING

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APPENDIX B

RESOURCE ISSUES, CONCERNS, AND COMMENTS TRACKING

This document tracks the status of resource issues, concerns, and comments identified by Participants through the Alternative Licensing Process (ALP). Some of these issues were identified during pre-scoping activities conducted between June and November 2000. Others have been developed by the Plenary Group and Work Groups during more recent meetings or included in comment letters submitted by several of the participants. These comments were used to develop issue statements and issue sheets that were in turn used to develop study plans. Sorting of issues was accomplished through discussions at the Task Force and Work Group meetings in the ALP. The following tables combine the Draft SD1 Appendix B (Resource Issues, Concerns, and Comments) and Appendix C (Additional Issues, Concerns, and Comments Under Current Review). Except where noted, Reference Numbers from the Draft SD1, Appendix B directly correspond to Reference Numbers in the tables below. Reference Numbers from Draft SD1 Appendix C are included in the notes column. A number of comments did not address resource issues or are not applicable to relicensing. These are included below, in a section titled Non-resource Specific Comments.

ENGINEERING AND OPERATIONS

Draft SD1 Appendix B Reference #	Engineering and Operations Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
EE1	Consider adding additional generating capabilities (some existing infrastructure).	SP-E3			
EE2	Intake on North side of dam - Afterbay outlet motoring to provide spinning reserve.	SP-E3			
EE3	Use real-time hydraulic projections, inflow/outflow rather than yearly projections.	SP-E1			
EE4	PLC upgrades?	SP-E3			
EE5	Coordination with releases from other water storage facilities? - for fisheries protection CVP facilities preventing straying of salmon and steelhead.	SP-E1; SP-F10			

Draft SD1 Appendix B Reference #	Engineering and Operations Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
EE6	Coordination and evaluation of DFG, USFWS, and other regulatory agencies release requirements to better fit with reality. High agency level decision.	SP-E1.2			
EE7	Potential to use support system models to evaluate different flow regimes with historic and real-time information.	SP-E1.2			
EE8	Why is there no requirement to maintain minimum emergency storage at Lake Oroville? (Evaluate needs related to other resources.)				The concept of carry over storage, i.e., storage reserved for use in a future year, is factored into the current operations at the Oroville Facilities.
EE9	Any plan to address increasing siltation in lake?	SP-G1			
EE10	Ramping rates effects on downstream facilities.	SP-E1.2			
EE11	Coordinate releases with other water storage facilities for flood release.	SP-E4			
EE12	Utilize current watershed hydrologic data from planning (coordinate with COE data gathering).	SP-E1			
EE13	Operational constraints as they relate to other resources and water supply.	SP-E1.2			
EE14	Potential physical changes to facility to increase storage and generation. Impacts to existing and potential facilities.	SP-E3;			

Draft SD1 Appendix B Reference #	Engineering and Operations Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
EE15	Evaluate temperature requirements and potential Eng. (?) operational modifications.	SP-E6; SP-E7; SP-E8; SP-E1.3; SP-E1.4; SP-E1.5			
EE16	Inequity of power pricing structure.			X	
EE17	Update flood operation manual	SP-E4			
EE18	What are 50-year projections for water/power demands and plans to meet those needs and impacts of meeting demands? (Context of existing full allocations.)				This information will be developed and included in FERC license application
EE19	Early warning system for downstream releases.	SP-E4			
EE20	Sale of existing water allotments to downstream users.			X	
EE21	Outflow impacts to downstream flood risk (levee stability) COE?	SP-E4			
EE22	Stability of Oroville levee system through low flow section and effects of high flow.	SP-E4			
EE23	Evaluate channel capacities and potential need for more storage / flood protection engineering and operations deflection into levees by gravel bars.	SP-E4			
EE24	What engineering or other reasonable and prudent solutions are available that would prevent the interbreeding of fall and spring-run Chinook salmon in the low flow section of the Feather River (migration barrier and /or flow and temperature changes in the low flow section)?	SP-E1.2			Engineering and Operations Work Group will support Environmental Work Group

Draft SD1 Appendix B Reference #	Engineering and Operations Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
EE25	Operations and engineering of the project determine the manner and extent water is moved into, through and out of the project area. Current operations, which affect timing, magnitude, and duration of flow from current release schedules, pump-back scheduling, and maintenance schedules impact both lotic and lentic ecosystems affected by the project. Operations need to be examined and their impacts evaluated and minimized for inclusion into terms and conditions of the settlement.	SP-E1.2; SP-F1			Engineering and Operations Work Group will support Environmental Work Group
EE26	Facility operations and impact – on bass fishery and spawning activities at Afterbay. (Protect and enhance bass fishery.)	SP-F3.1			
EE27	Sediments behind dam (operations).	SP-G1			
EE28	How do the pump-back operations during the summer months affect water temperatures required for holding and rearing of steelhead and spring-run Chinook salmon in the low-flow section and in the river downstream of Thermalito Afterbay?	SP-E8			
EE29	Project features and operations alter the hydrology of the system, creating the possibility for scour zones within both natural and designed channels. What affects do discharge and ramping rates have on substrate scour and the mobilization of sediments into the water column downstream? How have turbidity levels been affected by project operation?	SP-G2			
EE30	Alterations in stream hydrology affect the natural fluvial geomorphologic processes of a riverine system. How has the change in magnitude, frequency and timing of peak flows on the Feather River affected riparian vegetation recruitment in the low-flow reach and immediately downstream of the Afterbay?	SP-T3/5; SP-E1.6			

Draft SD1 Appendix B Reference #	Engineering and Operations Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
EE31	Impact of project facilities and operations on fish passage. This includes structures, flows and/or water quality conditions that impede or block passage within and from current and/or historic habitat and operations that impact passage or have the potential to enhance passage. Passage includes movement of spawning or holding adults, emigrating smolts, or movement of juveniles to different habitat areas for purposes of feeding, avoiding predators or sheltering.	SP-F15			
EE32	Adequacy of current in-stream flow requirements to conserve anadromous salmonids, their habitats and forage. This includes providing a range or schedule of flows necessary to optimize habitat, stable flows during spawning and incubation of in-gravel forms, flows necessary to ensure redd placement in viable areas, and flows necessary for channel forming processes, riparian habitat protection and maintenance of forage communities. This also includes impacts of flood control or other project structures or operations that act to displace individuals or their forage or destabilizes, scours, or degrades habitat.	SP-F10; SP-F16; SP-E1.2; SP-G2;			
EE33	Impact of hatchery facilities and/or operations on anadromous salmonids. This includes the direct, indirect and cumulative impacts of hatchery product on anadromous salmonids and the direct, indirect and cumulative impacts of hatchery facilities and operations on salmonids and their habitats.	SP-F9			
EE34	Project structures or operations that either have in the past or continue to introduce predators, create suitable habitat for predators, harbor predators, or are conducive to the predation of salmonids.	SP-F10; SP-F21			
EE35	Impact of project structures and operations on water quality conditions necessary to sustain anadromous salmonids and their habitats.	SP-W1; SP-F10			

Draft SD1 Appendix B Reference #	Engineering and Operations Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
EE36	Direct, indirect and cumulative impacts of project facilities and operations on sediment movement and deposition, river geometry, and channel characteristics. This includes impacts on stream competence, capacity, bank stability and extent, duration, and repetition of high flow events.	SP-G1; SP-G2			
EE37	One of the most significant environmental changes caused by the Oroville Facilities Project was changing the nature of this relatively low elevation waterway from a lotic to lentic system. The confluence of three tributaries of the Feather River and its free flowing nature has been replaced by Lake Oroville. The transport functions (sediment, nutrients etc.) normally associated with the energy of a lotic system have been replaced by an overall storage function of a lentic system. Thus, there are water quality changes accompanying this shift of ecosystems both within and downstream of the lake. The FWS is concerned about the effects of the current project operations on water quality and changes that may occur with new license conditions. We seek assurance that sufficient numbers of water quality constituents are investigated and that appropriate and rigorous protocols are followed. We seek assurance that investigations will lead to determination of operations alternatives that balance and maintain acceptable water quality standards under all operational plans and conditions set forth in the final agreement.	SP-W1; SP-W9			

Draft SD1 Appendix B Reference #	Engineering and Operations Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
EE38	As described in the IIP, operations of the Oroville Facilities including Lake Oroville, have wide-reaching effect on riverine conditions downstream in the Feather River, Sacramento River, and San Francisco/San Joaquin Bay Delta. In addition, water supply stored in Lake Oroville is delivered to Southern California through State Water Project canals and thus has effects on growth and development within the SWP service area. There are a variety of federally listed, threatened, proposed and species of concern that occur within and are supported by suitable habitat in the project affected area. There is potential for license condition changes that could potentially adversely impact listed, proposed, and/or species of concern in areas affected by water supply deliveries (including transfers), flood control, recreation activities and other project operations. The FWS wants to assure that future license conditions and attendant PM&E measures protect listed and proposed species, assist in their recovery and prevent future listings of any species of concern that may be at risk.	SP-T2; SP-F10			

Draft SD1 Appendix B Reference #	Engineering and Operations Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
EE39	<p>As follow-up to the above paragraph, the operations of the Oroville Facilities are integrally linked to federal water project operations and those of other entities in the Central Valley. Coordinated decisions for water project operations, including Lake Oroville take place on a daily basis. FWS wants to assure that areal extent of investigation and content of the scope of analysis is sufficient so that ESA requirements are fully addressed with regards to direct, indirect, cumulative, interrelated and interdependent activities. This means examining all facets of project features such as distribution and transmission lines and how their operations/maintenance practices may affect T&E species. How do the pump-back operations during the summer months affect water temperatures required for holding and rearing of steelhead and spring-run Chinook salmon in the low-flow section and in the river downstream of Thermalito Afterbay?</p>	SP-T2; SP-E8			

Draft SD1 Appendix B Reference #	Engineering and Operations Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
EE40	Does the increase in river water temperature that results from warmer Thermalito Afterbay releases during the spring, summer, and fall months limit the amount of suitable steelhead and salmon habitat in the river downstream of Thermalito Afterbay?	SP-E6			
EE41	Direct, indirect and cumulative impacts of project facilities and operations on sediment movement and deposition, river geometry, and channel characteristics. This includes impacts on stream competence, capacity, bank stability and extent, duration, and repetition of high flow events.	SP-G1; SP-G2			
EE42	Bedload transport, current condition of habitat potentially impacted by project and alternatives to conserve or enhance	SP-G2; SP-T3/5			
EE43	Adequacy of selective withdrawal structure to maximize water temperature for anadromous salmonids.	SP-E6; SP-E7; SP-E8; SP-E1.3			
EE44	Priority of salmonid habitat conservation in current operating criteria and various operating agreements.	SP-E2			Engineering and Operations Work Group will support the Environmental Work Group with modeling as necessary to evaluate flow scenarios
EE45	Introgression occurring between fall-run and spring-run Chinook populations in the Feather River due to hatchery practices and impassable migration barriers.				Transferred to Environmental Work Group; Engineering and Operations will provide modeling support as necessary.

Draft SD1 Appendix B Reference #	Engineering and Operations Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
EE46	At the first workgroup meeting, a presentation was given on how the water system works from reservoir to Southern California. A chart was shown on Oroville reservoir storage denoting the flood storage limits and elevations at time of year and downstream water requirements for the delta. In the presentation, it was said that the data and chart was from 1971 that DWR in Sacramento was using for those storage elevation levels and acre feet amounts. I question that information and sincerely hope that is not the case.	SP-E4			
EE47	In the FERC Part 12 guidelines, the Probable Maximum Flood (PMF) is to be examined after each major flood event. The Feather River has had two major flood events since 1971; once in February 1986 and again in January 1997. The FERC Part 12 regulation guidelines also state that when new Hydro-meteorological Reports (HMR's) are issued, the PMF is to be re-examined. New HMR's (HMR 58 & 59) were issued in 1999, thus precipitating the Oroville 2100 project to be re-examined in light of the new data. I think that this has been done for the 2100 project in the last Part 12 inspection and the Work Group should be given the correct data. If not done, the question is why not?	SP-E4			
EE48	The workgroup should be provided with the last FERC Part 12 inspection in written hard copy done by its Independent Consultant.				No study required. Report available to Work Group.
EE49	Oroville reservoir flood storage chart needs to be updated or obtain a copy of the latest updated chart to be provided to the Work Group.	SP-E4			

Draft SD1 Appendix B Reference #	Engineering and Operations Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
EE50	What is the Hazard classification for Oroville Dam?	SP-E4			The classification is "High Hazard."
EE51	Provide the Work Group with the study data done on installing Obermeyer Gates on the emergency spillway ogee to raise the reservoir elevation in a major flood runoff event? What is the probability of this installation?	SP-E4			
EE52	Provide the workgroup with the latest PMF, HMR, and PMP (probable maximum precipitation) data?	SP-E4			
EE53	When was the last "Inflow Design Flood" (IDF) study done and was it done on current data?	SP-E4			
EE54	Effect of tires in Parrish Cove and Bidwell Cove (mosquito abatement).				Resolved – ongoing maintenance under existing license
EE55	Effects of stakes used to hold down recycled Christmas trees on public safety.				Resolved – ongoing maintenance under existing license
EE56	Prepare flood inundation maps for a 1997(?) worst case with 300,000 cfs coming out of the dam's normal and emergency spillways. In 1997, it is believed that Oroville storage was almost to a point where the 300,000 cfs of inflow was going to pass through the reservoir. DWR was making plans to evacuate the power plant. The 300,000 would have topped the levees and put 10 feet of water into the town of Oroville.	SP-E4			
EE57	DWR should provide an operation model to each Work Group that allows for alternative evaluation.	SP-E2			Comment 05-01 from Draft SD1, Appendix C

Draft SD1 Appendix B Reference #	Engineering and Operations Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
EE58	All of these proposed (operations) actions to be evaluated have the potential to impact recreation programs and facilities at the Reservoir, the Diversion Pond, the Afterbay, the Forebay and the river channel. This study should be expedited so models can be developed to which the Work Groups can relate and evaluate potential impacts and mitigations relative to existing and proposed recreation programs/facilities.	SP-E1; SP-E2			Comment 05-15 and 05-120 from Draft SD1, Appendix C

LAND USE, LAND MANAGEMENT, AND AESTHETICS

Draft SD1 Appendix B Reference #	Land Use, Land Management, and Aesthetics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
LUE1	Develop more areas for recreation.	SP-L1; SP-R17			
LUE2	Develop land access to far north side of lake.	SP-L1; SP-R1			
LUE3	Increase communication on issues relating to present DWR land usage around the lake area so it shifts from unused to recreational or appropriate public use.	SP-L1			
LUE4	Contact PG&E regarding property at Lime Saddle Marina, the 5 plus acres to add more parking available to public and add much needed road and entrance.	SP-L1			
LUE5	Look at all PG&E lands adjacent to project.	SP-L1			
LUE6	Forbid industrial use of State recreation lands.			X	
LUE7	Preservation of open/natural areas/greenbelts.	SP-L1			
LUE8	There is an interest in integrating recreation opportunities provided by the reservoir with those that could occur on adjacent national forest system lands. Uses need to be complementary with no unmitigated impact on heritage resources, and little if any impact on aquatic and terrestrial wildlife habitat or vegetative productivity. Opportunities could include boat in camping sites, trails from the reservoir to points of scenic or other interest and improvement of existing road access to the reservoir.	SP-R12			

Draft SD1 Appendix B Reference #	Land Use, Land Management, and Aesthetics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
LUE9	Potential for acquisition of federal lands (BLM and USFS) within project boundary by DWR.	SP-L1			
LUE10	Potential for DWR to sell, for private development, some lands currently held by the State. This would get the lands back on tax rolls.	SP-L1			
LME1	Evaluate existing facilities security. Lake security and fines – “user friendly”.	SP-L2; SP-R2			
LME2	Evaluate unpaved status of RR grade multi-use trail	SP-R17			
LME3	Immediate access by public vehicles at Lakeland Boulevard to the old railroad grade area of the diversion pool with future consideration of improvements in that same area.	SP-R1			Lakeland Blvd Access is an Interim Recreation Project
LME4	Are additional funds needed to augment the existing budget for the management of the Oroville Wildlife Area? Presently available Fish and Game funds are being dedicated to managing people and not wildlife habitat.	SP-L2; SP-R5; SP-T6; SP-T9			
LME5	Are additional funds needed for law enforcement? Presently two-thirds of all the local game warden activities are spent on the Oroville wildlife area. An augmentation of funding for more wardens would free up time for other law enforcement activities outside of the wildlife area.	SP-L2; SP-R2			
LME6	Fuel load on state lands – potential impact to habitat (wildlife and human)	SP-L5; SP-T11			

Draft SD1 Appendix B Reference #	Land Use, Land Management, and Aesthetics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
LME7	There is an interest in management of national forest system lands located within and adjacent to the project area within the framework of the Forest Plan Amendment EIS. Management could include establishment of Defensible Fuel Profile Zones, prescribed burning or other activities compatible with the EIS.	SP-L5; SP-T11			
LME8	There is an interest in reviewing the arrangement to defer recreation management to the California Department of Parks and Recreation for the purpose of determining whether to continue, modify or terminate this agreement. The arrangement if continued needs to be formally documented and updated to reflect current management direction.	SP-L2; SP-R5			
LME9	Commercial cattle grazing: return to project and impact to natural environment	SP-L1			
LME10	Consequences on natural environment and adjacent land of fuel loading (current fire management practices)	SP-L5; SP-T11			
LME11	Comply with the Executive Orders 111988, Floodplain Management, and 11990, Protection of Wetlands	SP-T3/5			
LME12	Use site specific, integrated pest management approach to control forest pests, employing mechanical, cultural, biological, and/or chemical methods based on effectiveness, cost-efficiency, and protection of human health and environmental quality	SP-L2			
LME13	Water releases from Oroville Dam and downstream impacts (vegetation and properties)	SP-T3/5; SP-G2			
LME14	Evaluate fuel loading in areas within the project area, including land along the Feather River below Oroville Dam through the Long Bar area and land near the Diversion Dam.	SP-L5; SP-T11			

Draft SD1 Appendix B Reference #	Land Use, Land Management, and Aesthetics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
LME15	Install warning system for water releases.	SP-R2			Warning system is an Interim Recreation Project
LME16	Provide an emergency boat for CDF	SP-R2			
AE1	Need to establish debris collection program on regular schedule	SP-L4			
AE2	Remove old railroad trestle and other debris from river.	SP-L4			
AE3	Clean up shoreline, particularly adjacent to camping and public access areas. Use county prisoner-release programs, if necessary, to maintain clean shorelines.	SP-L4			
AE4	Remove concrete and construction debris in Feather River including below the Fish Barrier dam, below the Table Mountain Bridge, below the Hwy 70 Bridge.	SP-L4			
AE5	Dump areas used by DWR need to be removed.	SP-L4			
AE6	Lake levels sink too low in the summer – ‘bathtub ring’	SP-L4			Lake Oroville is a reservoir designed to operate at fluctuating water levels.
AE7	Camouflage the power line towers	SP-L4			
AE8	Improve poorly maintained visitor center	SP-L4			
AE9	Expand use of “low impact” signs	SP-L4			
AE10	Consider potential projects that could affect aesthetic nature of the project.	SP-L4			

Draft SD1 Appendix B Reference #	Land Use, Land Management, and Aesthetics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
AE11	Day use park: water lines in the south side of the river between the Fish Barrier Dam and the Diversion Dam need to be installed to irrigate plantings	SP-R17			Improving Day Use Parks are Interim Recreation Projects
AE12	Native plant landscaping (potential sites: Feather River fish Hatchery, State Parks Headquarters, DWR Field Office, Spillway Launch Facility - future) and restoration of native plant communities.	SP-L4			
AE13	Replace landscaping at the Feather River Fish Hatchery and adjacent river areas.	SP-L4			Fish Hatchery landscaping is an Interim Recreation Project
AE14	Clean up old 'City' park adjacent to the north side of the Fish Barrier Dam, just north of the Fish Hatchery. Taken over by DWR when SWP was constructed, never re-opened. Provide picnic areas and restroom facilities. Turn over to City of Oroville.	SP-R17			
AE15	Create work team to remove invasive, non-native plants (List A and B) from SWP and DWR areas.	SP-L4			Improving Day Use Parks are Interim Recreation Projects
AE16	Re-seed face of Oroville Dam and perimeter of reservoir exposed during drawdown.	SP-L4			Re-seeding the face of Oroville Dam is an Interim Recreation Project

CULTURAL RESOURCES

Draft SD1 Appendix B Reference #	Cultural Resources Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
CRE1	Protect all cultures' cultural resources (including but not limited to: Indian burial sites, sacred sites, massacre sites, co-habitation sites, trails, etc.) within the Project boundary area.	SP-C1			
CRE2	Hunting and fishing rights, traditional fishing activities, and water rights are gone – evaluate impact of project on those	SP-C1			
CRE3	Need to involve all Tribes, not just federally recognized ones	SP-C1			
CRE4	Develop Heritage Village	SP-C4			
CRE5	Protection of cultural sites along RR grades	SP-C3			
CRE6	Add island off eastern side of Nelson Bar Road as a historical area.	SP-C1			
CRE7	Need more cultural education in the area affected by the project. Develop a fund for community education to resolve disputes between various groups and create better understanding.	SP-C4			
CRE8	When considering cultural endeavors, achieve equal opportunity for all people	SP-C1; SP-C2; SP-C3			
CRE9	Cultural resources that lie beneath the reservoir need to be considered for protection	SP-C1; SP-C2; SP-C3			
CRE10	Tribes want input on all issues and want to be actively involved in this process				Maidu Advisory Council

Draft SD1 Appendix B Reference #	Cultural Resources Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
CRE11	Desire jobs and training for tribal members on this project				Local Native American community members have been trained and are actively involved in studies.
CRE12	Complete area needs to be surveyed- area within the Project boundary including land within the fluctuation zone.	SP-C1			
CRE13	Unfinished reports should be brought up to date first.	SP-C1			
CRE14	Butte County State collections need to be located and returned to the county and any further work done on the collection should be done within the county. Develop a curator facility for all tribes to use that could house all the collections and investigate possible loan from Smithsonian.	SP-C1; SP-C2; SP-C3; SP-C4			
CRE15	Develop collection policy to evaluate 'in-place' artifacts (on case by case basis)	SP-C1; SP-C2; SP-C3			
CRE16	Local schools and tribal members should have access to artifacts for educational purposes	SP-C4			
CRE17	Burial and other tribal lands set aside for protection of past and use for future (State and/or BLM lands). Set aside land for repatriation and future use (consider State and/or Federal lands).	SP-C1; SP-C2; SP-C3			
CRE18	Local members of the Native Tribal community that contribute to information should be compensated				The compensation issue is resolved.
CRE19	Want artifacts that are found to stay in the community	SP-C1; SP-C2; SP-C3			

Draft SD1 Appendix B Reference #	Cultural Resources Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
CRE20	Re-burial of exhumed bodies currently stored in West Sacramento; funding needed for transportation, land and assistance to cover costs of re-burial	SP-C1; SP-C2; SP-C3	X		Repatriation discussions underway
CRE21	Area 1 is rich with cultural resources and prime location for preservation. Concerned that increased recreational activities in the area is in conflict with protection of cultural resources	SP-C1; SP-C2; SP-C3			
CRE22	Support protection – want to see preservation of cultural resources and don't want to see them lose their identity (physical and knowledge identity)	SP-C1; SP-C2; SP-C3			
CRE23	Concerns for repatriation		X		Repatriation discussions underway
CRE24	Consider issues on a watershed level, involve all tribes	SP-C1; SP-C2; SP-C3			
CRE25	Concerned about Area 2 development – extension and potential impacts to cultural resources in area	SP-C1; SP-C2; SP-C3			
CRE26	Water drawdown (particularly bad this year) has exposed sites which are then subjected to vandalism. Concerned that County is not prosecuting offenders.	SP-C1; SP-C2; SP-C3			
CRE27	Desire to see development of a Maidu cultural center with access for all to the center.	SP-C4			
CRE28	There is an interest in inventorying heritage resource and traditional gathering sites located on state, Federal and PG&E lands located within and adjacent to the project and determining the risk posed to these sites from project operations, future development or vandalism. The inventory should also include a plan to conserve at-risk sites.	SP-C1; SP-C2; SP-C3			

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CRE29	Culture - bearers that contribute to information should be compensated				The compensation issue is resolved.
CRE30	Consider changing name of the Lime Saddle campground and potential cultural center there.	SP-C4			
CRE31	Interest in performing DNA testing to determine tribal relationships (tribe by tribe decision) (molecular level)	SP-C2			
CRE32	Ethnographic work done on cultural resource elders (post 1950's and 60's)	SP-C1; SP-C2			
CRE33	Beckwourth trail and Robinson's Corner	SP-C1			
CRE34	Survey Indian trails and their significance (migration and local use trails)	SP-C1			
CRE35	History and historical archeology need to be addressed	SP-C1			
CRE36	Consider extension of Berry Creek Rancheria to include river corridor to Bald Rock Dome	SP-C1; SP-C3	X		
CRE37	Preservation and interpretation of historic mining and ranching sites	SP-C1; SP-C3			
CRE38	Public education to combat vandalism of sites.	SP-C1; SP-C2; SP-C3			
CRE39	Ownership map showing lands purchased by state during facility construction				GIS output
CRE40	Establish ecological, paleontological and environmental baseline for cultural resource studies	SP-C1			

Draft SD1 Appendix B Reference #	Cultural Resources Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
CRE41	Consider fuel loading (CDF) and wildlife management activities on cultural resources particularly in Area 3.	SP-L5; SP-T11			Coordinate with Land Use and Environmental Work Groups
CRE42	Identify and set aside new traditional gathering sites	SP-C1; SP-C2; SP-C3			
CRE43	Land for Ishi monument	SP-C3			
CRE44	Finish Maidu village display at the visitor center	SP-C3			
CRE45	Inundation and debris study and impacts to cultural resources in shoreline and fluctuation zone.	SP-C1; SP-C2; SP-C3			
CRE46	Tribe (Mooretown) wants permanent full-time State Archaeologist at Oroville who would preferably work for Department of Water Resources.			X	
CRE47	Complete the Maidu Culture Exhibit at the Visitors Center	SP-C3			
CRE48	Move the Jim Bechwourth exhibit to another place in the Visitors Center. It now appears to be part of the world of the Maidu people exhibit and that is inappropriate. He was a famous black trapper, scout, pioneer settler in 1850's California and founder of the wagon trail pass, now Highway 70.	SP-C1; SP-C3		X	
CRE49	Funds to finish the Maidu Diorama at the Lake Oroville Visitor Center	SP-C3			

Draft SD1 Appendix B Reference #	Cultural Resources Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
CRE50	Have State Archaeologist work under DWR instead of DPR. I, (Bruce Steidl) and the Tribe would want the best environment for our contact during the relicensing process and the years to come. DPR is constantly having problems with funding for positions.			X	
CRE51	In the IIP, page 244, 5 th paragraph down states the Stage 2 Survey may include a comprehensive on foot inventory of impact areas that have a reasonable possibility for containing sites. We ask for nothing less than 100% inventory when physically able to do so. This includes under the high water level as well. To not do this would be negligent.	SP-C1			
CRE52	Define legal and fiscal responsibility for archaeological and other cultural resource protection/preservation: land owner (DWR) vs land management agency (DPR). What recommendations have been made to protect cultural resources throughout the past 36 years and what has been done to carry out/fund these recommendations. How much has been spent over the past 36 years to protect cultural resources and assurance that whatever is developed here will have adequate funding for the future. Lack of stable funding source for cultural resources (protection, curation, position at facility). Conditions of existing license.	SP-C1; SP-C2; SP-C3			
CRE53	Definition of Area of Potential Effect (APE) for project. Ownership map that shows all state land in vicinity of DWR defined project area that were acquired as a result of the project. Lake Davis, Frenchman Lake, Antelope Lake dams: built for State Water Project at same time as Lake Oroville dam: what is their relationship to this project.	SP-C1			
CRE54	Difference of cultural resource protection within state park units. On OHV parks, vehicles are not allowed to drive on archaeological resources; why are vehicles allowed to drive over and damage archaeological sites during reservoir drawdown?	SP-C3			

Draft SD1 Appendix B Reference #	Cultural Resources Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
CRE55	Traditional land management practices need to be incorporated into areas that are defined as traditional Cultural Properties/gathering areas.	SP-C1; SP-C2; SP-C3			
CRE56	DPR NAGPRA inventory for archaeological collections only, ethnographic objects collected in the Lake Oroville area during project activities need to be inventoried in a searchable database that includes provenience information. Current software (ARGUS) is not available to researchers and DPR staff is unable to search by provenance information.	SP-C1; SP-C2			
CRE57	Find, reanalyze, and repatriate to Butte County all collections that are part of all project activities (i.e. looking at UCLA, ARC, Chico State, Sacramento State, Markley's mid-70's excavations).	SP-C1	X		
CRE58	Loss of Traditional Cultural Landscape and activities. Cultural identity damaged.	SP-C1			
CRE59	I would request the restoration and maintenance of historical springs. I think mainly of those near the lake. One is near where Area 4 is under water. One is on Area 5. This one is still running, producing nearly pure spring water. The other needs repair. The third one which is very historical and important to me is the Area 6 mineral spring on Area 7.	SP-C1; SP-C2; SP-C3			
CRE60	Display shelters and information panels regarding cultural resources should be erected in various locations throughout the State Recreation Area	SP-C1; SP-C2; SP-C3			Comment 03-01 from Draft SD1, Appendix C
CRE61	Signage regarding the protection of cultural resources needs to be evaluated and appropriate signs erected at various areas in the State Recreation Area	SP-C3; SP-C4			Comment 03-02 from Draft SD1, Appendix C
CRE62	Funding needs to be provided to expand the Site Stewardship program at the State Recreation Area	SP-C4			Comment 03-03 from Draft SD1, Appendix C

Draft SD1 Appendix B Reference #	Cultural Resources Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
CRE63	Funding needs to be provided to redo the interpretive exhibits in the Department of Parks and Recreation section of the Lake Oroville Visitor Center, or a new Visitor Center with all new exhibits should be constructed.	SP-C4			Comment 03-04 from Draft SD1, Appendix C
CRE64	The interpretive exhibits in the Bidwell Bar Tollhouse need to be improved.	SP-C4			Bidwell Exhibit is an Interim Recreation Project Comment 03-05 from Draft SD1, Appendix C
CRE65	An archaeology lab/curatorial facility needs to be established, possibly in conjunction with a new Visitor Center.	SP-C4			Comment 03-06 from Draft SD1, Appendix C
CRE66	Tribal Cultural Center alternative site study (Solicit cultural Resources Work Group recommendation)	SP-C4			Comment 05-102 from Draft SD1, Appendix C
CRE67	Foreman Creek: Design and install barriers to protect native American sites.	SP-C3			Comment 02-04 from Draft SD1, Appendix C
CRE68	Historical tour study of Old Oroville cultural sites linked to Diversion Pool through Old Oroville to Regional Visitor Center and Tribal Cultural Center.	SP-C3			Comment 05-105 from Draft SD1, Appendix C

ENVIRONMENTAL – WATER QUALITY

Draft SD1 Appendix B Reference #	Water Quality Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
WE1	Look at project effects on all designated beneficial uses of the waterway	SP-W1			
WE2	Water quality objectives, including levels for bacteria, chemical constituents, dissolved oxygen, pH, oil and grease, pesticides, sediment, temperature, toxicity, and turbidity will be evaluated for compliance with the Basin Plan standards	SP-W1			
WE3	General concerns include all parameters of water quality as flow enters the project boundaries, passes through facility features, and discharges downstream. Direct and indirect effects of the project on aquatic ecosystem health, on recreational opportunity, and on domestic and agricultural supply will be considered	SP-W1; SP-W9			
WE4	Specific issues will need to be addressed for the issuance of 401 Certification and for disclosure in the Applicant Prepared Environmental Assessment	SP-W1			
WE5	Proximity of project features and recreational facilities to shoreline and banks of water bodies offers potential for introduction of nutrients and bacterial contaminants to these waters. What are the water quality trends (including, but not limited to, nitrogen, phosphorous and coliform bacteria levels) associated with project related activities	SP-W3			
WE6	Fuel use at marinas – Floating gas tanks and sewer tanks	SP-W3			
WE7	Lake Oroville, fed by tributaries that have a history of gold mining activity, has potential for accumulation of elemental mercury in its basin sediments. Potential presence and uptake of methylmercury through the food chain must be assessed	SP-W2			

Draft SD1 Appendix B Reference #	Water Quality Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
WE8	Provide protection of riparian areas and water quality by limiting disturbance in streamside management zones according to ground slope and stability, stream class, channel stability, fishery, and other beneficial uses, and favor riparian-dependent resources in cases of competing resource demands	SP-W7; SP-W9			
WE9	Encourage natural protective processes.	SP-W9			
WE10	Maintain or improve water quality to protect beneficial uses and meet or exceed State objectives.	SP-W1; SP-W9			
WE11	Avoid water quality degradation by using Best Management Practices during land management activities, and reduce sedimentation and channel erosion by rehabilitating deteriorating watersheds	SP-W7; SP-W9; SP-T10			
WE12	Coordinate with counties, Cal-Trans, and the Union Pacific Railroad to eliminate the sidecasting of waste material along travel ways, except at designated locations	SP-W7; SP-W9; SP-T10			
WE13	Reduce sediment yields from watersheds in deteriorating conditions and those tributary to eroding channels or hazardous flood prone areas	SP-W2; SP-W7; SP-W9			
WE14	Do analysis and mitigation on a watershed basis	SP-W7; SP-W9			
WE15	Cooperate with local, State, and Federal agencies as well as private landowners in long-range watershed planning. Use an interdisciplinary approach.	SP-W7; SP-W9; SP-T10			
WE16	Depth and capacity of the Oroville reservoir creates a thermally stratified condition. What is the cold-water pool retained in the basin and what is its availability for release in various water year types	SP-W6; SP-E1.3; SP-E7			

Draft SD1 Appendix B Reference #	Water Quality Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
WE17	Water temperatures are an issue of concern for both aquatic resources and agricultural interests. Temperature monitoring is ongoing, and plans are to examine how specific water releases and operations will affect temperatures in the river, Afterbay, and hatchery	SP-W6; SP-E1.4; SP-E1.5			
WE18	Are the existing temperature requirements defined under the State Water Projects Feather River Flow Constraints being met and are they adequately protecting steelhead and fall, late-fall, and spring-run chinook salmon in the low-flow section and in the river downstream of Thermalito Afterbay outlet	SP-W6; SP-E1.5; SP-E6			
WE19	Is the availability of a cold-water pool in Lake Oroville adequate under present and future operational demands to meet the existing downstream cold fresh-water habitat requirements of steelhead and fall, late-fall, and spring-run chinook salmon	SP-W1; SP-W6; SP-E1.3; SP-E1.4; SP-E1.5; SP-E7			
WE20	Are the existing temperature requirements defined under the State Water Projects Feather River Flow Constraints adequate for the operation of the Feather River Hatchery	SP-W6; SP-F9			
WE21	Is the availability of a cold-water pool in Lake Oroville adequate under present and future operational demands to meet the cold-water requirements defined under the State Water Projects Feather River Flow Constraints for the Feather River Hatchery	SP-W6; SP-F9			
WE22	Does the existing Temperature Control Device (TCD) in Lake Oroville provide adequate access to the cold-water pool during below normal water or drier years	SP-W6; SP-E1.3; SP-E7			
WE23	Will the existing TCD in Lake Oroville provide adequate access to the cold-water pool under future operational demands particularly during a series of dry and critically dry years	SP-W6; SP-E1.3; SP-E7			

Draft SD1 Appendix B Reference #	Water Quality Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
WE24	Warm water release requirements for agricultural production	SP-W1; SP-W6; SP-E1.4			
WE25	Does the present temperature model have the ability to forecast average daily water temperatures, under present and future operational demands, in the low-flow channel and in the river from the Thermalito Afterbay outlet down to Verona	SP-W1; SP-W6; SP-E1.5			
WE26	How does the Feather River Hatchery requirement for warmer water in the summer impact river water temperatures required for holding or rearing of steelhead and spring-run chinook salmon in the low-flow section? That is, should the hatchery water come directly from Lake Oroville rather than from the river at the Fish Barrier Dam in order that both hatchery and river temperature needs can be satisfied	SP-F9; SP-W6			
WE27	How does the pump-back operation during the summer months affect water temperatures required for holding and rearing of steelhead and spring-run chinook salmon in the low-flow section and in the river downstream of Thermalito Afterbay	SP-W6; SP-E8			
WE28	Does the increase in river water temperature that results from warmer Thermalito Afterbay releases during the spring, summer, and fall months limit the amount of suitable steelhead and salmon habitat in the river downstream of Thermalito Afterbay	SP-W6; SP-E1.3; SP-E1.4; SP-E1.5			
WE29	Does the increase in river water temperature that results from warmer Thermalito Afterbay releases during the spring and early summer months affect survival of salmonid species outmigrating from the Feather and Yuba River	SP-W6; SP-E6; SP-E1.3; SP-E1.4; SP-E1.5			

Draft SD1 Appendix B Reference #	Water Quality Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
WE30	Are dissolved oxygen levels in the Feather River from Thermalito Afterbay to Live Oak a problem during the spring, summer, and fall months	SP-W1			
WE31	How have turbidity levels been affected by project operation	SP-W1			
WE32	Thermalito Afterbay acts as a thermal retention basin for project water prior to delivery to water districts outside the project boundary. How do releases from this water body affect the stream temperature and dissolved oxygen content of Feather River receiving waters.	SP-W1; SP-W6; SP-E6; SP-E1.3; SP-E1.4; SP-E1.5; SP-E2			
WE33	Relationship between hatchery and water quality	SP-W1; SP-F9			
WE34	Effect on water quality of livestock grazing	SP-W7			
WE35	Water contamination at North Forebay related to swimming opportunities	SP-W3			
WE36	Both cold-water and warm-water habitat, spawning, and migration uses have been designated for surface waters potentially affected by the project. A determination must be made as to the specific thermal habitat that may be reasonably provided in each water body within project boundaries and downstream of the project	SP-W1			
WE37	Dredging of lower river to make suitable fish habitat	SP-W1; SP-F3.2			
WE38	Floating septic tanks	SP-W3			

Draft SD1 Appendix B Reference #	Water Quality Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
WE39	Effects of boating on MTBE	SP-W3			
WE40	Minimum level of draw-down effect on water temps	SP-E1.3; SP-E1.4; SP-E1.5; SP-W6			
WE41	What coordination for Page 2 #5? -- Could be items along roads that might sweep into the river during floods.	SP-W2; SP-W7			
WE42	Floating restrooms, houseboat gray water tanks and pump out facilities effects on water quality	SP-W3			
WE43	Sewage spills into Lake Oroville	SP-W3; SP-W7			
WE44	Fuel spills as a result of fluctuating lake levels	SP-W3; SP-W7			
WE45	Effect on water quality from boat maintenance and cleaning products -- "biodegradable"	SP-W3			
WE46	Spawning habitat in tributaries as they relate to operations	SP-W1; SP-F3.1			
WE47	Effects of lake level changes on cultural resources due to water quality contaminants	SP-W1; SP-W2; SP-C1			
WE48	Macroinvertebrates as an indicator of water quality	SP-W1; SP-W2			
WE49	Project effects, by water type year and season, on natural hydrology, and restoration of a more natural hydrograph	SP-W9			

Draft SD1 Appendix B Reference #	Water Quality Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
WE50	Conversion from lotic to lentic environment and accompanying changes in water quality	SP-W1; SP-W2			
WE51	Potential risk of non-project-related toxic spills and effects of toxic spills on project waters	SP-W7			
WE52	Cumulative effects of project operations and other past, present and reasonably foreseeable actions on water quality.				Will be addressed within cumulative impact analysis as required by NEPA/CEQA.
WE53	Consider water quality downstream of Oroville facilities and the effect of low flows on dilution of contaminants entering the Feather River downstream	SP-W1; SP-W2			
WE54	Impact of project structures and operations on water quality conditions necessary to sustain anadromous salmonids and their habitat. Adequacy of current project operating regimes and structures to optimize water quality conditions for anadromous salmonids and their habitats.	SP-W1; SP-W6			
WE55	Effects of reservoirs and Feather River downstream of Oroville Dam on groundwater quality and quantity (e.g. hyporheic zone interaction)	SP-W5			
WE56	Evaluate the water supply for the Feather River Hatchery, include any water quality problems	SP-W1; SP-F9			Comment 06-22 from Draft SD1, Appendix C

ENVIRONMENTAL – TERRESTRIAL

Draft SD1 Appendix B Reference #	Terrestrial Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
TE1	Efficiently manage recreation in the LOSRA	SP-R5; SP-L2; SP-T9			
TE2	Maintain winter habitat for band-tailed pigeons	SP-T1			
TE3	Maintain or enhance deer winter range	SP-T1; SP-W7			
TE4	Provide suitable bald eagle foraging habitat along the North Fork upstream from Lake Oroville	SP-T2			
TE5	Use site-specific, integrated pest management approach to control forest pests, employing mechanical, cultural, biological, and/or chemical methods based on effectiveness, cost-efficiency, and protection of human health and environmental quality	SP-W7			
TE6	Re-vegetate disturbed areas within floodplains to stabilize soil, benefit fish and wildlife, and restore the natural flood control qualities	SP-T3/5; SP-W9			
TE7	From January through August limit activities within active Bald Eagle nesting territories	SP-T2			
TE8	Between November 1 and March 31 limit activities within winter Bald Eagle roost habitat	SP-T2			
TE9	Water releases from Oroville Dam and downstream impacts (vegetation and properties)	SP-T3/5; SP-G2			
TE10	Continue cooperation allowing the CDPR to manage the reservoir area including Plumas National Forest lands	SP-T6; SP-W7			

Draft SD1 Appendix B Reference #	Terrestrial Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
TE11	Encourage species recovery	SP-T2			
TE12	Develop plans for each Bald Eagle nesting territory; perform habitat improvement projects to enhance bald eagle nesting, roosting or foraging habitat	SP-T2			
TE13	Have adequate surveys been completed to determine what State or federally listed species (plant and animal) are potentially being impacted by project operations	SP-T2			
TE14	Map plant and wildlife habitat communities	SP-T4			
TE15	Inventory and monitor State and federal protected and sensitive plant and wildlife species	SP-T2			
TE16	Provide habitat leading to viable populations of endangered species	SP-T2			
TE17	Maintain habitat to support viable populations of all native and desired nonnative vertebrate species	SP-T1; SP-T2; SP-T8			
TE18	Improve and protect habitat for designated emphasis and harvest species	SP-T1; SP-T8			
TE19	Provide diversity of plant and animal communities and tree species by assuring the continuous and viable presence of all seral stages of all native plant communities on the forest	SP-T1; SP-T2			
TE20	Provide a diversity of vegetation types and habitat to support viable populations of all fish, wildlife, and plant species	SP-T1; SP-T2; SP-T10			

Draft SD1 Appendix B Reference #	Terrestrial Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
TE21	Maintain and enhance the suitability of currently occupied nest territories, and provide sufficient potential nesting, foraging and winter habitat to meet recovery goals of the Pacific States Bald Eagle Recovery Plan	SP-T2			
TE22	At a minimum, provide habitat sufficient to maintain existing Bald Eagle populations	SP-T2			
TE23	Minimize adverse impacts to riparian resources through appropriate mitigation	SP-T3/5			
TE24	Facilitate hydroelectric development that provides protection of riparian resources				No additional hydroelectric development is currently planned at the Oroville Facilities
TE25	Maintain viable populations of sensitive plant species. Protect sensitive and special interest plant species, as needed, to maintain viability.	SP-T2			
TE26	Are additional funds needed to augment the existing budget of the Oroville Wildlife Area? Presently available Fish and Game funds are being dedicated to managing people and not wildlife habitat	SP-R5; SP-T6; SP-T9			
TE27	Various recreational and public use facilities were designated as mitigation measures to minimize impacts resulting from the original Oroville Project construction. The licensee should provide a complete inventory of recreational mitigation obligations required by Articles of the existing FERC License, and should clearly disclose the current status of compliance with those measures				DWR is in compliance with existing FERC license articles.
TE28	Manage the Wild and Scenic Zones of the Middle Fork of the Feather River consistent with the Wild and Scenic Rivers Act				Outside FERC Project boundary

Draft SD1 Appendix B Reference #	Terrestrial Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
TE29	Interaction of lake with wildlife species (birds, amphibians, etc.) – how is lake used	SP-T1; SP-T3/5			
TE30a	Inventory and map alien plant and animal species	SP-T4; SP-T7; SP-T8			
TE30b	There is an interest in determining locations of noxious weeds within and adjacent to the project area and determining control and eradication measures as needed. Inventory plants located on National Forest system lands within and adjacent to project facilities as well as the perimeter of Lake Oroville. Survey for California Department of Food and Agriculture Category A, B and C noxious weeds.	SP-T7			
TE31	Remove non-native plant species around lake, river, forebay and afterbay areas especially star thistle, ailanthus, and other invasive plant species	SP-T7			
TE32	DWR and DFG to work cooperatively to preserve hunting and fishing opportunities in the afterbay and borrow areas, and Lake Oroville	SP-T6; SP-T9			
TE33	Fuel load on state lands – potential impact to habitat (wildlife and human)	SP-T11; SP-L5			
TE34	Favor riparian dependent resources and limit disturbance in all riparian areas including riparian and aquatic ecosystems, wetlands, stream banks, and floodplains	SP-T3/5; SP-W9			
TE35	Favor riparian resources over other resources, except cultural resources, in cases of conflict				Position. FERC will balance the resource needs during consideration of license application.

Draft SD1 Appendix B Reference #	Terrestrial Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
TE36	Manage the Feather Falls Scenic Area as a Semi Primitive Non Motorized area				Outside FERC Project boundary
TE37	Assure adequate protection of riparian area for Wildlife and fish resources	SP-T3/5			
TE38	Evaluate and mitigate bank swallow habitat impacts (threatened)	SP-T2			
TE39	Manage flows and/or reservoir storage to maintain or enhance riparian plant communities and habitat for all life stages of fish. Cooperate with local, State, and other Federal water management agencies. Protect riparian areas while providing developed facilities	SP-T1; SP-T3/5; SP-F16			
TE40	Native plant landscaping (potential sites: Feather River fish Hatchery, State Parks Headquarters, DWR Field Office, Spillway Launch Facility - future) and restoration of native plant communities.	SP-T3/5; SP-T10			
TE41	North Forebay – preservation of existing wildlife	SP-T1			
TE42	Include aquatic species of non-native plants	SP-T7			
TE43	Improve access to all areas in the Afterbay and barrow area	SP-R1			
TE44a	Preserve wildlife habitat in the diversion pool area	SP-T1			
TE44b	Trespass, grazing leases, acquisition of additional land within the project boundary for wildlife management	SP-L1; SP-L2; SP-T6; SP-W7			
TE45	ESA compliance, want to hear about conflicts with folks and other species (bald eagles)	SP-T2			
TE46	Improve terrestrial habitat with introduction of salmon (bears)	SP-T1			

Draft SD1 Appendix B Reference #	Terrestrial Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
TE47	Continue inventory of plant and animal species in the project area	SP-T1; SP-T4			
TE48	Protect riparian habitat in project area	SP-T3/5			
TE49	Responsible management by resource agencies	SP-T6; SP-R4			
TE50	Effects of fluctuating water levels in Afterbay on wildlife	SP-T1; SP-T3/5			
TE51	Restoration of areas used as stockpile sites during dam construction	SP-L4			
TE52	Evaluate quality of vernal pools in the project boundary and project operation on health/quality of pools	SP-T3/5			
TE53	Biological Evaluation of species of concern from BLM and USFS (Plumas and Lassen NF) perspective Surveys should include Region 5 Sensitive plant and animal species as well as Plumas National Forest Special Interest plant species.	SP-T2			
TE54	Evaluation of funding adequacy for Oroville Wildlife Area	SP-T6; SP-R5			
TE55	Evaluation of funding adequacy for law enforcement	SP-T6; SP-R2; SP-R5; SP-L2			
TE56	Adequacy of survey information to document the presence of state or federally listed plant or animal species that are potentially impacted by project operation	SP-T2			
TE57	Effects of reservoir surface elevation fluctuations on wildlife habitat	SP-T1			

Draft SD1 Appendix B Reference #	Terrestrial Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
TE58	Effects of changes in the magnitude, frequency and timing of peak flows in the Feather River on riparian vegetation recruitment in the low flow reach and immediately downstream of the Afterbay	SP-T3/5; SP-G2			
TE59	Operate water levels in Thermalito Afterbay to prevent adverse impacts to Pacific Flyway waterfowl, especially during nesting in spring and early summer; continue to coordinate with DFG	SP-T1; SP-T2			
TE60	Evaluate effects of proposed increases in recreational activity in Thermalito Afterbay on waterfowl and other wildlife	SP-T1; SP-T2; SP-T9; SP-R4			
TE61	Project effects on downstream riparian habitat and the reservoir shoreline, including on-going effects of reservoir operations and recreational uses; effective stabilization, restoration and enhancement measures	SP-T3/5			
TE62	Protection and sustained conservation of terrestrial wildlife and flora in the project-affected area; comprehensive and well-crafted planning	SP-T2; SP-T10			
TE63	Effects of existing and future project features, operations and maintenance on upland habitat, including revegetation and restoration efforts	SP-T1; SP-T9; SP-T10			
TE64	Effects of existing and future fire prevention/fuel load control on natural communities.	SP-T11			

ENVIRONMENTAL – GEOLOGY, SOILS AND GEOMORPHIC PROCESSES

Draft SD1 Appendix B Reference #	Geology, Soils and Geomorphic Processes Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
GE1	As needed, remove excavated material from the floodplain	SP-G2; SP-W7			
GE2	Project features and operations alter the hydrology of the system, creating the possibility for scour zones within both natural and designed channels. What effects do discharge and ramping rates have on substrate scour and the mobilization of sediments into the water column downstream	SP-G1; SP-G2; SP-E1.2; SP-E1.6			
GE3	Alterations in stream hydrology affect the natural fluvial geomorphologic processes of a riverine system. How has the change in magnitude, frequency and timing of peak flows and rates of flow change on the Feather River affected riparian vegetation recruitment in the low-flow reach and immediately downstream of the Afterbay, under wet and dry year criteria	SP-G2; SP-T3/5; SP-W9			
GE4	Under existing conditions, are bankfull flows frequent enough to maintain channel morphology, sediment transport, habitat diversity and adequate gravels for salmonid spawning and rearing in the low-flow section and in the river downstream of Thermalito Afterbay	SP-G2; SP-W9			
GE5	Under existing conditions, are the moderate winter floods and bankfull flows adequately recruiting the amount of large woody debris needed to maintain adequate salmonid rearing habitat in the low-flow section and in the river downstream of Thermalito Afterbay	SP-G2; SP-W9; SP-F10			
GE6	How will the future demand for project water change the timing and duration of moderate winter floods and bankfull flows in the low-flow section and in the river downstream of Thermalito Afterbay	SP-E1.2; SP-G2			

Draft SD1 Appendix B Reference #	Geology, Soils and Geomorphic Processes Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
GE7	Are the present streamflows defined under the SWP Feather River Flow Constraints adequate for maintaining natural fluvial river functions in the low-flow section and in the river downstream of Thermalito Afterbay (i.e., diversity of habitats: pool to riffle ratios, pool depth, stream bank angle, stream bank stability, stream bank vegetative cover, bedload deposition pattern, and stream bank vegetation root depth versus stream bank height above bankfull height)	SP-G2; SP-F10; SP-W9			
GE8	Evaluate channel capacities and potential need for more storage/flood protection engineering and operations deflection into levees by gravel bars	SP-E4			
GE9	Channel morphology and changes from operation – armoring spawning habitat and lateral erosion of banks	SP-G2; SP-W9			
GE10	Has the project resulted in sediment starvation (e.g., reduced gravel recruitment) to the lower river, and if so, by how much	SP-G1; SP-G2; SP-W9			
GE11	Riffles for culturally significant activities (spearfishing rights) are rare and the area where riffles currently exist is protected	SP-G2; SP-C1			
GE12	River flows through low-flow sections (historically 1,600 cfs, now 600 cfs) have changed – what is the effect on channel morphology, physical processes and biological habitat.	SP-G2; SP-E1.2; SP-W9			
GE13	Do analysis and mitigation on a watershed basis			X	
GE14	Cooperate with local, State, and Federal agencies as well as private landowners in long-range watershed planning. Use an interdisciplinary approach.			X	Collaborative Work Group meetings provide forum for discussions related to interdisciplinary approach.

Draft SD1 Appendix B Reference #	Geology, Soils and Geomorphic Processes Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
GE15	Avoid water quality degradation by using Best Management Practices during land management activities, and reduce sedimentation and channel erosion by rehabilitating deteriorating watersheds	SP-W7			
GE16	Coordinate with counties, Cal-Trans, and the Union Pacific Railroad to eliminate the sidcasting of waste material along travel ways, except at designated locations	SP-W7			
GE17	Reduce sediment yields from watersheds in deteriorating conditions and those tributary to eroding channels or hazardous flood prone areas	SP-W7			
GE18	Re-vegetate disturbed areas within the floodplains to stabilize soil, benefit fish and wildlife, and restore the natural flood control qualities	SP-W7			
GE19	Gravel recruitment impacts of the dam – both up and down stream	SP-G1; SP-G2; SP-W9			
GE20	Indicators of hydrological alteration (IHA analysis)	SP-G1; SP-G2			
GE21	Effect of project on recruitment of ocean beach sands	SP-G1			
GE22	Effect of accumulated sediment on lake bathymetry of Lake Oroville	SP-G1			
GE23	Releases that reflect nature cycles benefit biological cycles – how have changes in seasonal release patterns affected fish, invertebrates, and their habitat	SP-F1; SP-F10			
GE24	Direct, indirect, and cumulative impacts of project facilities and operations on sediment movement and deposition, river geometry, and channel characteristics. This includes impacts on stream competence, capacity, bank stability and extend, duration, and repetition of high flow events	SP-G2; SP-W9			

Draft SD1 Appendix B Reference #	Geology, Soils and Geomorphic Processes Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
GE25	Natural geomorphological processes historically occurred within the Feather River watershed and are the result of geologic and hydrologic processes such as weathering, erosion, runoff patterns, material transport and deposition. Project features and operations have altered these natural geomorphic processes. Alteration of these geomorphic processes has affected the riverine habitat and species that depend on it. The FWS is concerned that project operations may have taken us beyond some critical thresholds for ecosystem sustainability. We are concerned that maintenance of a satisfactory abiotic template (e.g., substrate used for invertebrate production and fish spawning) is not occurring). The FWS wants assurance that new license conditions will allow for minimum thresholds of geomorphic processes to take place thus ensuring sufficient natural sediment movement and a satisfactory abiotic habitat template are in place	SP-G1; SP-G2; SP-W9			

ENVIRONMENTAL – FISHERIES

Draft SD1 Appendix B Reference #	Fisheries Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
FE1	Are the project related Lake Oroville water level fluctuations presently affecting the reproduction and survival of warm-water sportfish;	SP-F3.1; SP-W1; SP-W6			
FE2	How will the project related Lake Oroville water level fluctuations affect the reproduction and survival of warm-water sportfish under future operational demands;	SP-F3.1; SP-W6			
FE3	Is the present minimum pool adequate for protecting the Lake Oroville cold-water sport fishery;	SP-F3.1; SP-W6			
FE4	Have biologists describe the extent of viral infection in Lake Oroville;	SP-F2			
FE5	Would a fish screen(s) on the pump-back operation prevent Infectious Hemopoatic Necrosis (IHN) and other diseases specific to Salmonid species from spreading and becoming permanently established in Lake Oroville? IHN, if permanently established in Lake Oroville would affect survival of hatchery and river spawned Salmonid species;	SP-F2; SP-F3.2			
FE6	Are additional funds needed for law enforcement? Presently 2/3's of all the local game warden activities are spent on the Oroville Wildlife Area. An augmentation of funding for more wardens would free up time for other law enforcement activities outside of the wildlife area;	SP-R5; SP-T6			

Draft SD1 Appendix B Reference #	Fisheries Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
FE7	Has DWR completed or met all its obligations for recreation mitigation (wildlife habitat and fishing) under the existing FERC license;				Compliance history is documented by FERC in 1994 Order.
FE8	Lake Oroville releases made for power generation may cause dramatic fluctuations in lake level. What are the potential impacts of fluctuation zone and surface elevation change on recreation opportunities and on fish and wildlife habitat?	SP-F1; SP-F3.1; SP-F3.2; SP-W3; SP-W6			
FE9	Use Instream Flow Incremental Methodology (IFIM) or a comparable methodology to determine streamflow needs to ensure that trout habitat quality and quantity are not reduced within project area and/or project affected areas;	SP-F3.2; SP-F16			
FE10	Provide for fish passage on any drainage or stream where spawning activity occurs;	SP-F15			
FE11	Inventory streams, streamside areas, and other wetlands in deteriorating condition and restore on a priority basis within project area and/or project affected areas	SP-W7			
FE12	Protect and improve wild trout habitat;	SP-F3.1			
FE13	Require proponents to coordinate with Plumas National Forest (PNF) in analysis of instream flow need for all potentially affected riparian dependent species;	SP-F3.1; SP-F16			
FE14	Provide for fish passage and maintain natural channel character at stream crossings within project area and/or project affected areas;	SP-F15			
FE15	Develop and maintain a balanced fishery;	SP-F3.2			

Draft SD1 Appendix B Reference #	Fisheries Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
FE16	Establish and locate area for bass tournaments on the lake and include stands, parking, water, electricity, vendors, boats, etc.;	SP-W3			
FE17	Shooting carp – investigate use at Lake Oroville for this activity;	SP-R17; SP-T9			
FE18	Develop and implement a long-term fisheries management plan;				Fisheries Management Plan will be part of application
FE19	Rearing bass (plants) for recreational and trophy fishery;	SP-R17; SP-T9			
FE20	Develop bank fishing sites, cutaways used as fish habitat;	SP-W3; SP-R17; SP-T9			
FE21	Remove or replace fish ladder at North Fork Feather River Big Bend Dam so that cold water fish (salmon and trout) are able to spawn in natural waters;	SP-F15			
FE22	Prevent Northern Pike from entering Lake Oroville by eliminating them from the licensee's upstream impoundments. If Northern Pike enter Lake Oroville and Feather River watershed, aggressively address the problem and successfully eliminate the fish;	SP-F21		X	
FE23	Hire a full-time independent biologist for Lake Oroville in addition to DWR biologist;	SP-F3.1			
FE24	Evaluate potential to restore Ruddy Creek;				
FE25	Interaction of lake fishery with tributaries fisheries;	SP-F5/7; SP-F2; SP-F3.1			

Draft SD1 Appendix B Reference #	Fisheries Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
FE26	Traditional fishing activities that were impacted by construction of dam;	SP-C1			
FE27	Land-locked salmon fishery;	SP-F5/7; SP-F10			
FE28	North Forebay – preservation of existing wildlife;	SP-T1; SP-T9			
FE29	Protection of upstream resources energy balance issues – historic uses salmon – steelhead moving upstream – biomass – nutrient dispersal;	SP-F8; SP-F15			
FE30	Trophy fishing in North Fork Feather River outside of project boundaries;				Outside FERC Project boundary
FE31	Several fish hatchery issues need resolution, such as the relationship between the hatchery and restoration of a natural ecosystem, straying and genetic impacts, harvest rates, and disease;	SP-F2; SP-F8; SP-F9			
FE32	Ongoing studies in the lower Feather River include adult and juvenile steelhead snorkel surveys and a habitat inventory, beach seine surveys to determine the temporal and spatial rearing extent of juvenile steelhead and salmon, rotary screw trap sampling of Chinook salmon to monitor the timing and number of emigrants, Chinook egg survival studies, particularly in the low-flow channel, Chinook spawning escapement surveys, redd de-watering and juvenile surveys in the Lower Reach, effects of water temperatures on juvenile steelhead rearing, steelhead creel surveys to gather adult steelhead life history data, and invertebrate research;	SP-F3.2; SP-F10			Ongoing studies

Draft SD1 Appendix B Reference #	Fisheries Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
FE33	Are the present streamflows defined under the State Water Projects Feather River Flow Constraints being met and are they adequately protecting steelhead and fall, late-fall, and spring-run Chinook salmon in the low-flow section and in the river downstream of Thermalito Afterbay for migrating, holding, spawning, and rearing of steelhead and fall, late-fall, and spring-run Chinook salmon;	SP-W6; SP-F3.2; SP-F10			
FE34	Is additional Physical Habitat Simulations modeling (PHABSIM) necessary to determine what streamflows are necessary for spawning and rearing steelhead and fall, late-fall, and spring-run Chinook salmon in the low-flow section and in the river downstream of Thermalito Afterbay;	SP-F16			
FE35	Is riparian vegetative cover in the low-flow section and in the river downstream of Thermalito Afterbay adequate under present flow conditions for rearing steelhead and fall, late-fall, and spring-run Chinook salmon;	SP-F10; SP-F16			
FE36	Under existing conditions, does the diversity and abundance of benthic macroinvertebrates in the low-flow section and in the river downstream of Thermalito Afterbay suggest a healthy stream channel;	SP-F1; SP-F3.2; SP-W1			
FE37	Under existing conditions, are there adequate amounts of suitable gravel for salmonid spawning in the low-flow section and in the river downstream of Thermalito Afterbay;	SP-F10; SP-F16			
FE38	Preserve natural riparian flood control abilities. Remove only those log jams or major debris accumulations that have a high potential of causing channel damage, block fish passage, or could be transported downstream by high flows and cause loss of property;	SP-W9			
FE39	Insure that stream alterations restore the original flow capacity while preserving the existing channel alignment;	SP-W7			

Draft SD1 Appendix B Reference #	Fisheries Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
FE40	Comply with the Executive Orders 111988, Floodplain Management, and 11990, Protection of Wetlands;	SP-T3/5			
FE41	Early on and clearly identify flow rates and temperature requirements downstream of the dam;	SP-W6; SP-F10; SP-F16			
FE42	Work together with DFG to preserve and continue hunting and fishing opportunities in the after-bay and borrow areas;	SP-T9; SP-R9; SP-R5			
FE43	Consider changes in flow rates on recreational fishing;	SP-F3.2; SP-R3			
FE44	Increase emphasis on steelhead protection and habitat and less on salmon;	SP-F5/7; SP-F10; SP-F16			
FE45	Evaluate salmon numbers;	SP-F10			
FE46	Clearly identify species, landowners along river, flow rates and temperature requirements downstream of the dam;	SP-W6; SP-F10; SP-F16			
FE47	Desire to see a balanced fishery;	SP-F5/7			
FE48	Evaluate potential of fish diseases spread from Lake Oroville to Feather River and back as result of pump-back operation;	SP-F2			
FE49	Incidence of fish disease in response to temperature changes below dam;	SP-F2; SP-W6			
FE50	Barbless hooks for steelhead catch/release of females;	SP-T9; SP-F17			

Draft SD1 Appendix B Reference #	Fisheries Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
FE51	Impact of local actions on regional fisheries – impact area and what is contained within that area;	SP-F5/7; SP-F10			
FE52	Facility operations and impact – on bass fishery and spawning activities at afterbay (protect and enhance bass fishery);	SP-F3.1; SP-F5/7; SP-W6			
FE53	Are the present project related flow ramping/fluctuation restraints adequately protecting rearing Salmonid species from being stranded in the low-flow section and in the river downstream of Thermalito Afterbay;	SP-F10; SP-E1			
FE54	Are the present project related flow ramping/fluctuation restraints adequately protecting Salmonid redds and juveniles, conserving their habitat and forage, and spawning gravel from being scoured out from the low-flow section and from the river downstream of Thermalito Afterbay;	SP-W1; SP-F10; SP-G2; SP-E1			
FE55	What engineering or other reasonable and prudent solutions are available that would prevent the interbreeding of fall and spring-run Chinook salmon in the low-flow section of the Father River (migration barrier and/or flow and temperature changes in low-flow section);	SP-F10			
FE56	The Feather River's low-flow reach has historically provided spawning habitat for a cold-water fishery. How have reduced flows to this stream reach affected water temperature and gravel substrate necessary for successful salmonid reproduction?	SP-W6; SP-G2; SP-F10; SP-F16			
FE57	Provide habitat leading to viable populations of endangered species. Maintain habitat to support viable populations of all native and desired nonnative vertebrate species;	SP-F3.1; SP-F3.2; SP-T2			
FE58	Improve and protect habitat for designated emphasis and harvest species. Identify and evaluate potential conflicts among project effects and management actions for protected and sensitive species;	SP-F3.1; SP-F3.2			

Draft SD1 Appendix B Reference #	Fisheries Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
FE59	Protect and improve habitat for trout;	SP-F3.1			
FE60	Species recovery in upper and lower river;	SP-F3.1; SP-F3.2			
FE61	Maintain Feather River contribution of 20% of the commercial ocean salmon catch			X	
FE62	Re-introduction above dam of anadromous fish	SP-F8; SP-F10; SP-F15			
FE63	Coordination between re-licensing effort and existing management plans in and out of the project boundary	SP-L3			
FE64	Effect of project on available upstream fishery habitat (Incorporate all project facilities)	SP-F3.1; SP-F15; SP-W1			
FE65	Explore offsite mitigation opportunities				
FE66	Expand land-lock fishery to include all salmon not just Chinook	SP-F3.1; SP-F5/7; SP-F10			
FE67	All tributaries to project waters evaluated for spawning potential including upstream of Big Bend diversions	SP-F15			
FE68	Assurances of how things will be done, guarantee credible data, and sustainability of solutions (adaptive management).			X	
FE69	Page 8 Bullet 8 – split into two issues			X	
FE70	Potential to reopen salmon fishery above Highway 70 bridge	SP-F3.1			

Draft SD1 Appendix B Reference #	Fisheries Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
FE71	Species recovery in reservoir and river	SP-F3.1; SP-F3.2			
FE72	ESA compliance, want to hear about conflicts with folks and other species (bald eagles);	SP-T2			
FE73	Responsible management by resource agencies;	SP-T6; SP-R4; SP-R5			
FE74	What are the cumulative project impacts on passage of anadromous and riverine fish;				
FE75	Project structures or operations that either have in the past, or continue to introduce predators, create suitable habitat for predators, harbor predators, or are conducive to the predation of salmonids;	SP-F3.2; SP-F21			
FE76	Prevent the introduction of new piscivorous (fish-eating) predators (e.g., northern pike, striped bass, white bass, etc.) introductions to project waters;	SP-F21		X	

Draft SD1 Appendix B Reference #	Fisheries Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
FE77	Predation of fish species naturally occurs under all conditions. However, project conditions could exacerbate the occurrence of predation on certain species. Changes in license conditions could lead to unnecessary increase in predation on desirable gamefish or threatened and endangered species, or other species of concern. Occurrence (habitat, distribution and numbers of predator fish should be identified in all riverine waterways affected by project releases. Predation investigations should be comprehensive and predator management be available as a fishery management tool.	SP-T2; SP-F21			
FE78	Quality and extent of habitat above currently impassable barriers to migration;	SP-F15			
FE79	Oroville Reservoir provides substantial recreational fishing opportunity for both black bass and Chinook salmon fisheries. Hatchery planting practices for Chinook salmon could be impacting habitat conditions and the population dynamics of black bass and other species, thus impairing socioeconomic use. Fishing interests want to improve the reservoir fishery so that it becomes a more popular recreational destination as a result of a successful balanced species reservoir fishery. An appropriate balance of species should exist in the reservoir to support environmental sustainability and long-term maintenance of a healthy ecosystem;	SP-W3; SP-F5/7; SP-F9			

Draft SD1 Appendix B Reference #	Fisheries Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
FE80	Big Bend Dam is located on the North Fork Feather near the maximum elevation of Lake Oroville. The dam has been partially breached, but appears to act as an impediment to up- and downstream migration of fish and aquatic dependent species during portions of the year. There is an interest in determining the impact of Big Bend Dam on migration of fish and aquatic dependent species from Lake Oroville to the North Fork Feather River and back;	SP-F15			
FE81	Currently some of the species of fish commonly found in Lake Oroville are also found in the Poe reach of the North Fork Feather River. Maximum water temperatures in the Poe reach often exceed 20 C (68 F), making management of the Poe reach as a coldwater fishery difficult. There is an interest in determining the interaction of the Lake Oroville fishery with the Poe reach fishery, and identifying measures that can be taken to maintain the Poe reach as a coldwater fishery;	SP-F3.1; SP-F5/7; SP-W6			
FE82	Prior to construction of Oroville Dam anadromous fish had access to the POE reach of the North Fork Feather River. These fish provided a source of energy to the river ecosystem. Construction of the dam severed that connection. There is an interest in determining the contribution of anadromous fish as an energy source for aquatic dependent species located in the North Fork Feather River and devising a strategy for replacing this loss.	SP-F8; SP-F10; SP-F15; SP-F2			
FE83	Macroinvertebrates as an indicator of water quality;	SP-F1; SP-F3.1; SP-W1			
FE84	Evaluate indicators of hydrological alteration (IHA analysis);	SP-F3.1; SP-F3.2			

Draft SD1 Appendix B Reference #	Fisheries Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
FE85	Impact of project facilities and operations on fish passage includes structures, flows, and/or water quality conditions that impede or block passage within and from current and/or historic habitat and operations that impact passage or have the potential to enhance passage. Passage includes movement of spawning or holding adults, emigrating smolts, or movement of juveniles to different habitat areas for purposes of feeding, avoiding predators, or sheltering;	SP-F15; SP-W6			
FE86	Adequacy of current ramping rate to protect anadromous salmonids and conserve their habitats and forage. This includes providing a range of schedule of flows necessary to optimize habitat, stable flows during spawning and incubation of in gravel forms, flows necessary to ensure redd replacement in viable areas, and flows necessary for channel forming processes, riparian habitat protection and maintenance of forage communities. This also includes impacts of flood control or other project structures or operations that act to displace individuals or their forage or destabilizes, scours, or degrades habitat;	SP-F1; SP-F3.2; SP-F10; SP-F16; SP-W1			
FE87	Introgression occurring between various runs of Chinook salmon and between hatchery and wild salmon and steelhead. This includes direct, indirect and cumulative impacts from hatchery practices, project facilities and operations, lack of adequate spawning habitat and impassable migration barriers that exclude access to historic spawning habitats;	SP-F9			
FE88	Impact of hatchery facilities and/or operations on anadromous salmonids. This includes the direct, indirect and cumulative impacts of hatchery product on anadromous salmonids and the direct, indirect and cumulative impacts of hatchery facilities and operations on salmonids and their habitats;	SP-F10; SP-F2; SP-F9; SP-W6			

Draft SD1 Appendix B Reference #	Fisheries Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
FE89	Impact of project structures and operations on water quality conditions necessary to sustain anadromous salmonids and their habitats;	SP-F1; SP-F10; SP-W1; SP-W6			
FE90	Adequacy of current project operating regimes and structures to optimize water quality conditions for anadromous salmonids and their habitats;	SP-F1; SP-F10; SP-W1; SP-W6			
FE91	Current condition of habitat potentially impacted by project and alternatives to conserve or enhance anadromous salmonids;	SP-F1; SP-F10; SP-F15; SP-F16			
FE92	Priority of salmonid habitat conservation in current operating criteria and various operating agreements;	SP-F10			
FE93	Introgression occurring between fall-run and spring-run Chinook populations in the Feather River due to hatchery practices and impassable migration barriers;	SP-F9; SP-F10; SP-F15			
FE94	Evaluate the potential impacts of striped bass predation mortality on juvenile Chinook salmon and steelhead within the lower Feather River and the effects of project operations on predator-prey interactions, and identify and evaluate alternative methods for controlling and reducing predation mortality by species such as striped bass on juvenile rearing and emigrating salmonids;	SP-F21			

Draft SD1 Appendix B Reference #	Fisheries Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
FE95	The lower Feather River provides habitat to support a variety of anadromous fish species including Chinook salmon, steelhead, striped bass, American shad and sturgeon. Potential changes in license conditions could adversely impact habitat supporting these species. Habitat investigations should evaluate the existing quality and quantity of habitat and determine alternative improvements for the various life history needs of anadromous species including flow, water temperature, instream and riparian cover, substrate and spatial area;	SP-F1; SP-F3.2; SP-F10; SP-F9; SP-F16; SP-W1; SP-W6			
FE96	The lower Feather River provides habitat to support a variety of resident native and resident introduced species including coldwater species such as rainbow, brook, and brown trout, and warm water species such as bass, catfish, bluegill, green sunfish, carp and others. Potential changes in license conditions could adversely impact habitat supporting these species or upset habitat conditions such that less desirable species are favored. Habitat investigations should evaluate the existing quality and quantity of habitat and determine alternative improvements for the various life history needs of these resident native and non-native species including flow, water temperature, instream and riparian cover, substrate and spatial area;	SP-F1; SP-F3.2; SP-F9; SP-W1; SP-W6			
FE97	The habitat for fishes in the lower Feather River is affected by the flow releases from the project. Seasonal timing, volume, and rate of release all have an affect on fish habitat conditions. Potential changes in license conditions for flow releases could adversely affect habitat conditions for one or more fish species. Fishery investigations should examine the adequacy of flows for maintaining all life history needs for anadromous and resident species. There should be evaluation of potential for flow improvements in the low-flow section. Fishery investigations should be sufficient to determine how best to meet the combined needs of the various anadromous and resident fish species;	SP-F1; SP-F3.2; SP-F10; SP-F16; SP-W1			

Draft SD1 Appendix B Reference #	Fisheries Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
FE98	Fish passage is an essential survival element for anadromous species and obstructed passage can also have serious adverse impact on resident species biodiversity and populations. Both upstream and downstream-unobstructed fish passage below the project should occur. Fishery investigations should examine the adequacy of passage for all species in the reaches of the lower Feather River downstream of the project. Evaluations should cover a sufficient range of flows and include examination of instream pits or gravel ponds;	SP-F10; SP-F15			
FE99	The Feather River Hatchery was constructed to mitigate for losses of upstream habitat when the Oroville facilities were constructed. There is a body of evidence suggesting that improperly planned hatchery practices can adversely impact native and non-native species including anadromous species. The effects of hatchery practices on naturally reproducing/self-sustaining anadromous populations should be examined as part of the fishery investigations. These evaluations should examine alternative practices that would lead to increased naturally reproducing/self-sustaining anadromous populations. Improper hatchery practices can also lead to transmission of serious fish diseases, and impact overall susceptibility of naturally reproducing populations to diseases.	SP-F2; SP-F9; SP-F10; SP-W6			
FE100	Create more habitat for the black bass and warm water fishes such as spawning beds or boxes; spawning plates or stationary buoy cables.	SP-F5/7			
FE101	Evaluate direct, indirect, and cumulative effects on Feather River spring-run chinook salmon (all life stages) resulting from daily water temperature caused by project operations in the Feather River below the Fish Barrier Dam, between Hwy 70 and the Afterbay outlet, and below the outlet.	SP-W6; SP-F3.2; SP-F10			Comment 06-12 from Draft SD1, Appendix C

Draft SD1 Appendix B Reference #	Fisheries Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
FE102	Evaluate direct effects on Feather River spring-run chinook salmon (all life stages) resulting from daily water temperature caused by project operations in the Hatchery.	SP-F10; SP-F2; SP-F9; SP-W6			Comment 06-13 from Draft SD1, Appendix C
FE103	Determine the daily water temperature requirements to keep Feather River spring-run chinook salmon in good conditions at all times at the Hatchery.	SP-F10; SP-F2; SP-F9; SP-W6			Comment 06-14 from Draft SD1, Appendix C
FE104	Evaluate reintroduction of the original gene pool of the Feather River fall-run steelhead trout below the Fish Barrier Dam	SP-F9			Comment 06-15 from Draft SD1, Appendix C
FE105	Determine the daily water temperature requirements to keep steelhead trout in good conditions at all times in the Feather River below the Fish Barrier Dam, between Hwy 70 and the Afterbay outlet, and below the outlet.	SP-W6; SP-F3.2; SP-F10			Comment 06-16 from Draft SD1, Appendix C
FE106	Determine the daily water temperature requirements to keep steelhead trout in good conditions at all times in the Feather River Hatchery.	SP-F10; SP-F2; SP-F9; SP-W6			Comment 06-17 from Draft SD1, Appendix C
FE107	Determine the daily water temperature requirements to keep fall-run chinook salmon in good conditions at all times in the Feather River below the Fish Barrier Dam, between Hwy 70 and the Afterbay outlet, and below the outlet.	SP-W6; SP-F3.2; SP-F10			Comment 06-19 from Draft SD1, Appendix C
FE108	Determine effects on fall-run chinook salmon due to daily water temperature changes resulting from operations and the Hatchery.	SP-F10; SP-F2; SP-F9; SP-W6			Comment 06-20 from Draft SD1, Appendix C
FE109	Evaluate the salmon and steelhead planting from the Feather River in other streams throughout the State.	SP-F9			Comment 06-23 from Draft SD1, Appendix C

Draft SD1 Appendix B Reference #	Fisheries Issues Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
FE110	Evaluate the existing daily riverflow requirements for spring-run and fall-run chinook salmon species (all life stages) and steelhead trout (all life stages) in the Feather River below the Fish Barrier Dam to the Afterbay Outlet, and downstream	SP-F1; SP-F3.2; SP-F10; SP-F9; SP-F16; SP-W1; SP-W6			Comment 06-25 from Draft SD1, Appendix C
FE111	Evaluate the new mandatory minimum river flow requirements for spring-run and fall-run chinook salmon species (all life stages) and steelhead trout (all life stages) in the Feather River below the Fish Barrier Dam to the Afterbay Outlet and downstream	SP-W6; SP-F3.2; SP-F10			Comment 06-26 from Draft SD1, Appendix C
FE112	Consider the removal of the Big Bend Dam or construction and maintenance of a "state of the art" fish ladder.	SP-F15			Comment 06-28 from Draft SD1, Appendix C
FE113	Consider purchase and re-operation of the Miocene Project for environmental benefit	SP-F15			Comment 06-29 from Draft SD1, Appendix C
FE114	Consider the construction and operation of a rainbow trout hatchery for Lake Oroville	SP-F1; SP-F3.2; SP-F9; SP-W1; SP-W6			Comment 06-30 from Draft SD1, Appendix C
FE115	Consider screening the powerhouse intakes to prevent entrainment	SP-F15			Comment 06-31 from Draft SD1, Appendix C

RECREATION AND SOCIOECONOMICS

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE1	Existing recreational facilities are not adequate to meet demand	SP-R1; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE2	Upgrade all facilities and develop more areas for recreation	SP-R1; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE3	Look at future and reliable funding sources for recreational development	SP-R5; SP-R17;			

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE4	There is an interest in integrating recreation opportunities provided by the reservoir with those that could occur on adjacent national forest system lands. Uses need to be complimentary with no unmitigated impact on heritage resources and little if any impact on aquatic and terrestrial wildlife habitat or vegetative productivity. Opportunities could include boat in camping sites, trails from the reservoir to points of scenic or other interest and improvement of existing road access to the reservoir. (Plumas National Forest)	SP-R5; SP-R17;			Coordinate with Environmental Work Group
RE5	Improve Loafer Creek facilities	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE6	Finish Feather River Enhancement Project				Interim project with Interim Settlement Agreement negotiated.

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE7	Increase camping facilities	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE8	At Lime Saddle Memorial Park, build it out and extend it to capacity to which it was originally designed. Up to 250 campsites and boat ramp, swimming beach.	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE9	Develop campground at the Afterbay	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE10	Develop smaller, primitive style campgrounds (tent) particularly around Enterprise boat ramp	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE11	Encourage use of the Forebay RV parking facilities	SP-R1; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE12	Convert floating campsites for winter use	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			Winterize floating campsites is an Interim Recreation Project.

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE13	Berry Creek Road needs improvement and campground facilities are needed at lakeside.	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE14	Increase parking facilities	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE15	Provide more parking at Bidwell Canyon	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R16; SP-R17;			
RE16	Open spillway road to Potters Ravine for recreation development.	SP-R1; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE17	Widen Hwy 162 to Miners Ranch Road	SP-R14		X	
RE18	Develop monorail system to Butte County			X	
RE19	Upgrade roads to facilities	SP-R1; SP-R14;			Upgraded roads to some facilities is a Category III Interim Recreation Project.

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE20	Improve access from the north	SP-R1; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;		X	
RE21	Develop an alternative route to and from Lake Oroville area. From east to west, Miners Ranch Road, converging with Foothill Boulevard, and out Ophir Road to Hwy 70.	SP-R1; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;		X	

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE22	Widen Hwy 162 as originally planned and encourage all levels of government to widen Hwy 70 to Oroville.	SP-R1; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;		X	
RE23	Build bridge from Nelson Ave Sports Complex to North Forebay and supply gas to site.	SP-R1; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE24	If there is going to be paving, consider Burma Road (more cost effective with no conflict of use)	SP-R1; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE25	Immediate access by public vehicles at Lakeland Boulevard to the old railroad grade area of the diversion pool with future consideration of improvements in that same area.	SP-R1			Vehicle access at Lakeland Boulevard is an Interim Recreation Project
RE26	Increase marinas	SP-R1; SP-R6; SP-R7; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE27	Establish and locate area for bass tournaments on the lake and include stands, parking, water, electricity, vendors, boats, etc.	SP-R1; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE28	Develop facilities (including grandstands, toilets, and campgrounds) at the Forebay/Afterbay to support competitive powerboat events	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE29	Include a marina and launching of boats along with many recreational activities at the Afterbay, with the entrance to the facilities off Hwy 99	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE30	Improve or extend roads at Vinton Gulch and Nelson Bar Road (both east and west) to the 800-foot level and increase parking and turn around for car-top launch only. At Nelson Bar east, create a parking area for local residents and install a walking path on the island to the 800-foot level. (LOFEC)	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE31	Re-establish a boat launch for river usage by powerboats and canoes with an improved launch ramp on the west side of the River in the Wildlife area. (LOFEC)	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE32	Re-establish and open the road to and from the Cherokee Road area to the Bloomer boat-in area and improve the access parking area at Dark Canyon. (LOFEC)	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE33	Improve Ponderosa Way Trail to the Las Plumas Power House and consider adding camping and launch ramp to the east side of the North Fork Feather River. (LOFEC)	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE34	Develop a management structure and funding for aquatic center programs at the north Forebay to bring boating safety and handling to the public	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			Boating safety training is an Interim Recreation Project

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE35	Expand use of facilities for boating education and water boat training (like Butte Sailing Club offers)	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			Boating safety training is an Interim Recreation Project
RE36	Tournament water skiing location	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			Tournament Water Ski Site is an Interim Recreation Project

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE37	Open forks of lake for boating activity by changing regulations and gating the log booms for access	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE38	Loss of whitewater recreation opportunities and potential mitigation for loss (whitewater park)	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE39	Provide houseboat anchor sites	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE40	Numerous proposals are being made within the Recreational and Socioeconomic Work Group to substantially increase the use of the Afterbay for boating, camping, and other activities. It is important that the environmental impacts of each of these proposals be carefully assessed so that waterfowl and other wildlife on the Afterbay are not adversely affected. (California Waterfowl Association)				Coordinate with Environmental Work Group
RE41	Investigate potential for shooting carp activity at Oroville	SP-R8; SP-R11 SP-R15;			Coordinate with Environmental Work Group
RE42	Long-term cold and warm water fisheries management plan	SP-F3.1; SP-F3.2			
RE43	Clean out the silt of all ponds and remove excess brush around ponds with clear paths to each and plant some warm water fish to each. One Mile Pond, plant with rainbows and brook trout and increase camping sites. (LOFEC)	SP-F3.2			
RE44	Consider changes in flow rates on recreational fishing	SP-R3; SP-F3.1; SP-F3.2			

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE45	More emphasis on steelhead and less on salmon	SP-F10			
RE46	Encourage continuation of bass rearing program (as plants)	SP-F3.1			
RE47	Establish new lake records for fishing and establish a record keeper (group or business) (LOFEC)				
RE48	Establish bank-fishing sites along sloping banks around all campground areas – Parrish Cove, Foreman Creek, Bloomer Boat-in, Goat Ranch Boat-in, Loafer Creek. (LOFEC)	SP-R4; SP-R17			
RE49	Re-survey rivers and Oroville Lake for depth and mark dangerous areas with buoys. Publish new depth charts and make available to the public. (LOFEC)	SP-R2; SP-R17			
RE50	Lake Oroville releases made for power generation may cause dramatic fluctuations in the lake level. What are the potential impacts of fluctuation zone and surface elevation change on recreation opportunities and on fish and wildlife habitat? (SWRCB)	SP-R3; SP-R17; SP-F3.1; SP-T1			
RE51	Lake levels drop too low in the summer for boaters	SP-R3; SP-R17			
RE52	Has DWR completed or met all its obligations for recreation mitigation (wildlife habitat and fishing) under the existing FERC license? (CDFG)				Compliance history is documented by FERC in 1994 Order.
RE53	Create swimming facility (year-round) at Loafer Creek Recreation Area or other appropriate place to replace swimming lost when Bidwell Bar was inundated.	SP-R5; SP-R8; SP-R11 SP-R13; SP-R15; SP-R17;			Height Adjustable Swim Dock is an Interim Recreation Project
RE54	Water temperature below dam is too cold for swimming	SP-W6			

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RE55	North Forebay development and visibility of swimming opportunities – sand beach surround	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE56	Site improvements to existing flying site for model airplanes	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			Model Airplane Site Improvement is an Interim Recreation Project.
RE57	Improve the Off Hwy Vehicle Recreation Area (SVRA) at the Oroville complex. This would include and not be limited to 4x4 areas for training, safety, but also moto-cross type tracks also.		X		Outside FERC boundary
RE58	Larkin Road Shooting Range owned and maintained by the state off Larkin Road south of the Oroville Airport. Enhance parking area, accessibility and drainage.			X	Outside FERC boundary. Shooting Range is an Interim Recreation Project.

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE59	Open the Feather River to gold dredging from Hwy 70 bridge to and through the Wildlife area. Limit to 4" dredge, high banking, sluicing, and panning allowed and establish a building for concession and educational displays. Open from Memorial Day to Labor Day – establish a gold marketer to buy and sell gold and related items to gold recovery in the Feather River. Attraction would be closed during salmon and steelhead runs. (LOFEC)			X	Environmental constraints (ESA) will likely preclude this action.
RE60	Build an information center at the main entrance off Larkin Road for the Wildlife Area. (LOFEC)	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE61	Create a mining display visible from Hwy (dredge equipment, etc.)	SP-R5; SP-R8; SP-R11; SP-R13; SP-R15; SP-R17;			
RE62	Consider acquiring the Campbell Hills property to continue existing uses such as hang-gliding, kite flying, paragliding, radio-controlled plane flying at area bordering Thermalito Forebay Recreation Area.			X	Outside FERC boundary.
RE63	What is the recreational value of hunting and fishing on project lands and how can they be enhanced? (DPR)	SP-R3; SP-R4; SP-R5; SP-R17; SP-R18			
RE64	Increase hiking trails	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE65	Build pedestrian bridge adjacent to Hwy. 70 bridge. (Possibly in conjunction with train bridge – multipurpose)	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;		X	Outside FERC boundary
RE66	Develop more bike trails that are separate from hiking and equestrian trails	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE67	Build a trail starting at the Feather River Hatchery and continuing down river to access the proposed Hwy 70-bike/pedestrian crossing. Create picnic and river access areas on this stretch of the Feather River.	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE68	Feather River trails – as proposed by the Bike Pathway Project, links of this access will be created under the Upper Thermalito Bridge and between the Diversion Dam and the old Feather River Railroad.	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE69	Create comprehensive, integrated trail links around the Project.	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE70	Move the security fence off the trail access at the Feather River Hatchery.	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE71	Finish building the CA riding and hiking trail from Oroville Trail to Pacific Crest Trail.	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;		X	Outside the FERC boundary. Studies indicated will provide some information.
RE72	Develop an endurance trail around the lake perhaps connecting to Pacific Crest Trail and preserve existing hiking and equestrian trail (in particular, preserve the Dan Beebe Trail as a historical equestrian and hiking trail)	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE73	Open diversion dam as trail linkage. Create trail linkage from diversion dam to old railroad grade at the railroad trestle. Open west side of the river from the fish barrier dam to Burma Road as recreation area. Move fence back from riverbank at fish hatchery and develop trail from Table Mountain Bridge past the Hwy 70 bridge on north side of river.	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE74	Provide overnight equestrian parking and camping facilities at existing facilities. Improve Lakeland Equestrian Parking Area as follows: expand parking area portable toilets, picnic tables, metal hitching posts, potable water, native trees planted for shade. Consider providing facilities for overnight camping, and maintain all areas as pavement free.	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			Loafer Creek Equestrian Camp Improvements and group staging area are Interim Recreation Projects.

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE75	Install directional/rule signs for trails at parking areas and along trails, provide ranger enforcement of the rules.	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE76	Provide multi-use trails	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE77	Evaluate unpaved status of RR grade multi-use trail	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE78	Improve Saddle Dam Equestrian Parking area by adding watering trough, picnic tables, metal hitching posts and planting native trees for shade on the perimeter, expand parking area for major events. Maintain all areas as pavement free. This should apply to the Visitor Center Staging Area as well	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			Saddle Dam Improvements and Group Staging Areas are Interim Recreation Projects.

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE79	Replace water trough that was removed from below the OWID ditch to a location nearby, as well as obtaining equestrian input as to watering locations on all present and future trails.	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE80	Add picnic tables and hitching posts at Long Bar Pond, Glen Pond Meadows, and in an open area near the OWID ditch east of the Oroville Dam Highway crossing as well as at all staging areas.	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17			

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE81	Add picnic tables and benches across from and at the Oroville Dam Spillway along the railroad grade and old construction road, multi-use sections of trail.	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE82	Evaluate potential for equestrian amphitheater/rodeo arena/multi-use/boarding facility at Larkin area, Thompson's Flat or a suitable alternative site with accessibility to existing Oroville equestrian trails	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE83	Temporarily rough clear/grade some sections of the trail used for the annual LOVER equestrian event, including an alternate route, parallel to the bike route, up the south side of the dam for horses to use during LOVER ride.	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE84	Continue Lakeshore habitat improvement.	SP-R8; SP-R11 SP-R15; SP-T1			Coordinate with Environmental Work Group
RE85	Upgrade portable restrooms to permanent ones at various locations	SP-R5; SP-R8; SP-R11 SP-R15; SP-R17			Restroom Upgrades is Interim Recreation Project.

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE86	Water lines at the day use area along the river between the Fish Barrier Dam and the Diversion Dam need to be installed to irrigate plantings. Restrooms and day use area improvements are also needed. Clean up old 'City' park adjacent to the Fish Barrier Dam, just north of the Fish Hatchery. Provide picnic areas and restroom facilities.	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17			Fish Hatchery Landscaping is an Interim Recreation Project.
RE87	Need to establish a debris collection program on regular schedule	SP-R11; SP-L2			Coordinate with Land Use Work Group
RE88	Remove old Rail Road trestle and other debris from river.	SP-R11; SP-R17; SP-L4			Coordinate with Land Use; Environmental issues
RE89	Clean up shoreline, particularly adjacent to camping and public access areas. Use county prisoner-release programs if necessary, to maintain clean shorelines.	SP-R11; SP-L4			
RE89	Remove concrete and construction debris in Feather River including below the Fish Barrier dam, below the Table Mountain Bridge, below the Hwy 70 bridge.	SP-R11; SP-L4			Coordinate with Land Use; Environmental issues
RE90	Dump areas used by DWR need to be removed.	SP-R11; SP-L4			
RE91	Evaluate fuel loading in areas within the Project area, including land along the Feather River below Oroville Dam through the Long Bar area and land near the Diversion Dam.	SP-R11; SP-L5; SP-T11			

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE92	Install warning system for water releases.	SP-R2; SP-R17;			Warning System for Water Releases is an Interim Recreation Project.
RE93	Provide an emergency boat for CDF	SP-R2; SP-R17;			
RE94	Evaluate existing lake security and need for increased personnel	SP-R2; SP-R4; SP-R5; SP-L2			
RE95	Create, enhance and preserve Craig Access Park	SP-R1; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE96	Restore and improve recreation resource along the river corridor from the dam, downstream to the wildlife area	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			Also Comment 05-99 from Draft SD1, Appendix C
RE97	Camouflage the power line towers	SP-L4			
RE98	Various recreational and public use facilities were designated as mitigation measures to minimize impacts resulting from the original Oroville Project construction. The Licensee should provide a complete inventory of recreational mitigation obligations required by Articles of the existing FERC License, and should clearly disclose the current status of compliance with those measures. (SWRCB)				Compliance history relative to recreation is summarized in FERC 1994 Order.
RE99	There is an interest in reviewing the arrangement to defer recreation management to the California Department of parks and Recreation for the purpose of determining whether to continue, modify or terminate this agreement. The arrangement if continued needs to be formally documented and updated to reflect current management direction. (Plumas National Forest)	SP-R5			
RE100	Replace landscaping at the Feather River Fish Hatchery and adjacent river areas.				Fish hatchery Landscaping is an Interim Recreation Project
RE101	Create work team to remove invasive, non-native plants (List A and B) from State Water Project and DWR areas.	SP-T7			

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes																										
RE102	Re-seed face of Oroville Dam and perimeter of reservoir exposed during drawdown.				Re-seed Oroville Dam is an Interim Recreation Project																										
Issue Numbers RE103 – RE114 (below) have slightly changed from the former numbers in the Draft SD-1, Appendix B. The Draft SD1 list contained three identical comment duplicates, which have since been removed. The removed Issue Numbers include RE103, RE104, and RE110, which duplicated RE 27, FE20, and RE98, respectively. As a result the Issue Numbers RE103 – RE114, from the Draft SD1 have changed as follows:																															
<table><tr><td><u>Draft SD1</u></td><td><u>Current (below)</u></td></tr><tr><td>RE105</td><td>RE103</td></tr><tr><td>RE106</td><td>RE104</td></tr><tr><td>RE107</td><td>RE105</td></tr><tr><td>RE108</td><td>RE106</td></tr><tr><td>RE109</td><td>RE107</td></tr><tr><td>RE111</td><td>RE108</td></tr><tr><td>RE112</td><td>RE109</td></tr><tr><td>RE113</td><td>RE110</td></tr><tr><td>RE114</td><td>RE111</td></tr><tr><td>RE115</td><td>RE112</td></tr><tr><td>RE116</td><td>RE113</td></tr><tr><td>RE117</td><td>RE114</td></tr></table>						<u>Draft SD1</u>	<u>Current (below)</u>	RE105	RE103	RE106	RE104	RE107	RE105	RE108	RE106	RE109	RE107	RE111	RE108	RE112	RE109	RE113	RE110	RE114	RE111	RE115	RE112	RE116	RE113	RE117	RE114
<u>Draft SD1</u>	<u>Current (below)</u>																														
RE105	RE103																														
RE106	RE104																														
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RE114	RE111																														
RE115	RE112																														
RE116	RE113																														
RE117	RE114																														
RE103	Traditional fishing activities that were impacted by construction of dam	SP-C1																													

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE104	Trophy fishing in North Fork Feather River.	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE105	Work together with DFG to preserve and continue hunting and fishing opportunities in the after-bay and borrow areas	SP-R1; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			
RE106	Consider changes in flow rates on recreational fishing	SP-R7; SP-F3.1; SP-F3.2			
RE107	Efficiently manage recreation in the Lake Oroville State Recreation Area	SP-R4; SP-R17;			

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE108	Manage the Wild and Scenic Zones of the Middle Fork of the Feather River consistent with the Wild and Scenic Rivers Act			X	Outside the FERC Project boundary. Boundary for Wild and Scenic is set at elevation so any changes in project operations could affect designation.
RE109	Continue cooperation allowing the California Department of Parks and Recreation to manage the reservoir area including Plumas National Forest lands	SP-R3; SP-R4; SP-R17;			
RE110	Manage the Feather Falls Scenic Area as a Semi Primitive Non Motorized area			X	Outside the FERC Project boundary
RE111	Manage flows and/or reservoir storage to maintain or enhance riparian plant communities and habitat for all life stages of fish. Cooperate with local, State, and other Federal water management agencies. Protect riparian areas while providing developed facilities	SP-T3/5; SP-T1			
RE112	Elaborate on the management of the feather falls scenic area			X	Outside FERC Project boundary
RE113	Look at what happens to money developed from power generation and potential to put into community. Have an economist evaluate the implications of promises versus delivery. Look at history to understand the perspectives of the community over the last 30 years.			X	
RE114	Develop way to bring power and water directly from the project to the City of Oroville to stimulate economic development.			X	DWR has investigated this issue in conjunction with Butte County Tax Payers Association, and determined that it is not practical due to feasibility, cost, and regulatory constraints.

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE115	Establish a tour boat operation on the lake	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17			Comment 01-01 from Draft SD1, Appendix C
RE116	Add key programs/facilities to enhance use of Loafer Creek Area, i.e., concession facilities and a swimming/water play feature related to the day use and camping areas	SP-R9; SP-R13; SP-R17; SP-R18; SP-R19;			Comment 01-02 and 05-30 from Draft SD1, Appendix C
RE117	Re-design Bidwell Creek area to provide for optimum public use. i.e. relocate some camping spaces to provide for more boat trailer parking	SP-R7; SP-R9; SP-R13			Comment 01-03 and 05-31 from Draft SD1, Appendix C
RE118	Improve access to Lime Saddle Marina and launch ramp at lower lake elevations	SP-R7; SP-R9; SP-R13			Comment 01-04 and 05-32 from Draft SD1, Appendix C
RE119	Establish a long-term concession lease at Lime Saddle with improved services	SP-R7; SP-R9; SP-R13			Comment 01-05 and 05-33 from Draft SD1, Appendix C
RE120	Add additional visitor services at Lime Saddle, i.e. restaurant, lodge, store, visitor center	SP-R7; SP-R9; SP-R13			Comment 01-06 and 05-34 from Draft SD1, Appendix C

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE121	Add additional parking spaces at Lime Saddle.	SP-R7; SP-R9; SP-R13			Comment 01-07 and 05-35 from Draft SD1, Appendix C
RE122	Acquire PG&E property at Lime Saddle entrance	SP-R7; SP-R9; SP-R13			Comment 01-08 and 05-36 from Draft SD1, Appendix C
RE123	Re-locate concessionaire maintenance area at Lime Saddle	SP-R7; SP-R9; SP-R13;			Comment 01-09 and 05-37 from Draft SD1, Appendix C
RE124	Add a swimming/water play feature accessible to the campground and day use area at Lime Saddle.	SP-R7; SP-R9; SP-R13;			Comment 01-10 and 05-38 from Draft SD1, Appendix C
RE125	Add a special event venue for cultural events at Lime Saddle.	SP-R7; SP-R9; SP-R13;			Comment 01-11 and 05-39 from Draft SD1, Appendix C
RE126	Develop new boat launching and marina facilities in accordance with future demand, i.e., Foreman Creek and Potter's Ravine.	SP-R7; SP-R9; SP-R13			Comment 01-12 and 05-40 from Draft SD1, Appendix C
RE127	Take advantage of existing infrastructure at recreation area to make improvements to developed areas that will extend the use season and increase attendance during the peak season when the lake is drawn down, i.e. bass tournament staging area.	SP-R7; SP-R9; SP-R13			Comment 01-13 and 05-41 from Draft SD1, Appendix C
RE128	Clean up the Diversion Pool Canyon and remove exotic plants.	SP-R7; SP-R9; SP-R13; SP-T7			Comment 01-14 and 05-55 from Draft SD1, Appendix C

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE129	Make Diversion Pool Trail improvements that meet the needs of hikers, equestrians, and bicyclists and that provide connection to a regional trail network as set forth in a comprehensive trails plan element to the recreation plan.	SP-R7; SP-R9; SP-R13			Comment 01-15 from Draft SD1, Appendix C
RE130	Consider the Diversion Pool Canyon for additional uses, i.e. equestrian special events center, picnicking, nature observation, fishing, trail use and low impact lodging (camping, B&B's)	SP-R7; SP-R9; SP-R13			Comment 01-16 from Draft SD1, Appendix C
RE131	Establish boat-in and/or hike-in camping areas in the Diversion Pool Canyon.	SP-R7			Comment 01-17 from Draft SD1, Appendix C
RE132	Extension of nature programs from existing nature center	SP-R7; SP-R9; SP-R13			Comment 01-18 from Draft SD1, Appendix C
RE133	Recreation related economic development at the Forebay, i.e. golf course/conference center, lodging, restaurants, special event venue for powerboats, dry boat storage, etc.	SP-R7; SP-R9; SP-R13; SP-R18; SP-R19			Comment 01-19 from Draft SD1, Appendix C
RE134	Provide additional day use recreation opportunities at the Forebay for local residents of Oroville and Gridley, i.e. shore side walkways/trails, grass, picnic areas, sandy beaches, boating access, etc.	SP-R7; SP-R9; SP-R13;			Comment 01-20 and 05-76 from Draft SD1, Appendix C
RE135	Consider Afterbay as an alternative site for an equestrian center	SP-R7; SP-R9; SP-R13;			Comment 01-21 and 05-77 from Draft SD1, Appendix C
RE136	Consider Afterbay Aquatic Center potential site	SP-R7; SP-R9; SP-R13; SP-R18; SP-R19			Comment 01-22 and 05-78 from Draft SD1, Appendix C

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE137	Provide additional day use and camping at South East Afterbay complex	SP-R7; SP-R9; SP-R13; SP-R13;			Comment 01-23 and 05-79 from Draft SD1, Appendix C
RE138	Consider boat-in camping on islands in Forebay	SP-R7; SP-R9; SP-R13;			Comment 01-24 and 05-80 from Draft SD1, Appendix C
RE139	Improve or relocate water-ski area to pond in the Wildlife area.	SP-R7; SP-R9; SP-R13;			Comment 01-25 from Draft SD1, Appendix C Tournament Water Ski Site is Interim Recreation Project
RE140	Trail link needed along Hwy 70	SP-R7; SP-R9; SP-R13;			Comment 01-26 and 05-89 from Draft SD1, Appendix C
RE141	Locate Regional Visitor Center at Riverbend Park (Montgomery and Hwy 70) as a gateway to Old Oroville and the Lake Oroville Recreation area	SP-R7; SP-R9; SP-R13;			Comment 01-27, 05-90, and 05-100 from Draft SD1, Appendix C
RE142	Add gold mining historical interpretive exhibit along Feather River South of Riverbend Park, i.e. Antique Dredger.	SP-R7; SP-R9; SP-R13;			Comment 01-28 and 05-91 from Draft SD1, Appendix C
RE143	Investigate Tribal Cultural Center site along the Feather River South of Riverbend Park	SP-R7; SP-R9; SP-R13; SP-C3			Comment 01-29 and 05-92 from Draft SD1, Appendix C

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE144	Community swimming facility at Bedrock Park				Comment 01-30 and 05-93 from Draft SD1, Appendix C
RE145	Restore river corridor to its natural condition from Oroville Dam to the Wildlife area.	SP-R7; SP-R9; SP-R13;			Comment 01-31 and 05-94 from Draft SD1, Appendix C
RE146	Consider alternate site for 9-hole golf course adjacent to hwy 70 and north of Feather River			X	Comment 01-32, 05-95, and 05-101 from Draft SD1, Appendix C Outside FERC Project Boundary
RE147	Consider restoring the flash dam in the Feather River, i.e. power boat races				Comment 01-33, 05-96, and 05-103 from Draft SD1, Appendix C Potential environmental impacts to endangered species suggest this is not feasible. Confirmed with Environmental Work Group.
RE148	Create a transportation link on the old RR alignment from Diversion Pool to the Wildlife area	SP-R18; SP-R19			Comment 01-34, 05-97, and 05-104 from Draft SD1, Appendix C
RE149	Relocate industrial uses between Feather River and Hwy 70 and improve scenic values at the entry to the City of Oroville.			X	Comment 05-98 and 05-106 from Draft SD1, Appendix C Outside FERC Project Boundary

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE150	Improve existing Off-Highway Vehicle Recreation area.	SP-R7; SP-R9; SP-R13;			Comment 01-35 from Draft SD1, Appendix C Outside FERC Project boundary
RE151	Consider Afterbay as an alternative site for an equestrian center	SP-R7; SP-R9; SP-R13;			Comment 01-21 and 05-77 from Draft SD1, Appendix C
RE152	Boat in camps: Replace Pit Toilets with Vault Toilets (8 total)	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17			Comment 02-01 from Draft SD1, Appendix C Restroom Upgrade is an Interim Recreation Project

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE153	Visitor Center: Upgrade directional signs, reconstruct sales counter, upgrade and redesign exhibits, modify restrooms, install assisted listening system in theater, install video camera on tower and monitor in the VC (ADA)	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17			Comment 02-02 from Draft SD1, Appendix C
RE154	Loafer Creek: Construct two group camps	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17			Comment 02-03 from Draft SD1, Appendix C
RE155	Bidwell Canyon: Enlarge Bidwell Canyon parking lot	SP-R1; SP-R17			Comment 02-05 from Draft SD1, Appendix C

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE156	Saddle Dam: Develop paved parking and restroom facility for equestrians	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17			Comment 02-06 from Draft SD1, Appendix C Saddle Dam Improvements is an Interim Recreation Project
RE157	Equestrian Campground: Overlay access road and camping spurs	SP-R1; SP-R17			Comment 02-07 from Draft SD1, Appendix C
RE158	Equestrian Campground: Enlarge and improve equestrian campground	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17			Comment 02-08 from Draft SD1, Appendix C Loafer Creek Equestrian Camp Improvements is an Interim Recreation Project

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE159	Enterprise Launch Area: Install block or concrete prefab restroom structure for vault holding tank	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17			Comment 02-09 from Draft SD1, Appendix C Upgrade Restrooms is an Interim Recreation Project
RE160	North Forebay: Install new shade ramadas, increase day use parking	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17			Comment 02-10 from Draft SD1, Appendix C

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE161	South Forebay: Design and construct shade ramadas, restroom facility (and sewer), electrical, turf and irrigation	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17			Comment 02-11 from Draft SD1, Appendix C
RE162	Investigate the feasibility of allowing migratory waterfowl hunting on both the Thermalito Forebay and Lake Oroville during the regular waterfowl-hunting season	SP-R4; SP-R17; SP-T1; SP-T8			Comment 04-01 from Draft SD1, Appendix C
RE163	Lake Oroville annual draw down schedule corresponds with the peak recreation use season	SP-R3			Comment 05-24 from Draft SD1, Appendix C Oroville Reservoir drawdowns are consistent with operational criteria as designed.
RE164	Lime Saddle Concessionaire on month to month tenancy	SP-R5			Comment 05-25 from Draft SD1, Appendix C
RE165	CDPR has its own statutory park master planning process involving the State Parks Commission and does not consider the Lake Oroville State Recreation Area to be subject to the FERC Alternative Licensing Process and the related recreation planning process that is underway	SP-R5		X	Comment 05-26 from Draft SD1, Appendix C

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE166	DPR has an antiquated cost accounting system, which does not isolate the Lake Oroville State Recreation Area from other State Park units in the State Park District as a whole	SP-R5		X	Comment 05-27 from Draft SD1, Appendix C
RE167	The capital improvement plan of CDPR for Lake Oroville State Recreation Area is not available to the public or coordinated with the CDWR capital improvement plan pursuant to the settlement agreement approved by FERC in so far as the public is made aware	SP-R5			Comment 05-28 from Draft SD1, Appendix C
RE168	Bridge selective fingers of lake to enhance trail use when lake is below high pool	SP-R1; SP-R3			Comment 05-29 from Draft SD1, Appendix C
RE169	Trail Plan Element to the Recreation Plan that considers (among other issues) ways and means to circumscribe the lake on the Dan Beebe Trail at both high and low pool	SP-R17			Comment 05-42 from Draft SD1, Appendix C
RE170	Loafer Creek swimming area feasibility study	SP-R17			Comment 05-43 from Draft SD1, Appendix C Height adjustable Swim Dock is an Interim Recreation Project
RE171	Bidwell Bar and Loafer Creek site plan studies	SP-R17			Comment 05-44 from Draft SD1, Appendix C
RE172	Management plan dealing with improving the coordination with and oversight of the Lime Saddle concession lease	SP-R5			Comment 05-45 from Draft SD1, Appendix C
RE173	Strategy plan to make Lime Saddle a “stand alone” facility with a “synergy of uses” and “critical mass”	SP-R17			Comment 05-46 from Draft SD1, Appendix C
RE174	20 year study of correlations between monthly lake elevations and Lake Oroville Recreation Area attendance by month	SP-R3			Comment 05-47 from Draft SD1, Appendix C

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE175	20-year study of Lake Oroville Recreation Area annual operations and maintenance costs and annual income by category of activity, i.e., boating, camping, day use	SP-R5			Comment 05-48 from Draft SD1, Appendix C
RE176	Supply and demand study for the next 50 years for Lake Oroville's share of the regional tourism market in Northern California			X	Comment 05-49 from Draft SD1, Appendix C
RE177	Study of revenue enhancement strategies in combination with appropriate private/public sector partnerships for the purpose of providing increased service that will reduce net operations and maintenance costs for existing and future recreation programs/improvements	SP-R18			Comment 05-50 from Draft SD1, Appendix C
RE178	Conflicts between State Parks staff and community desires concerning types of trails needed and accessibility of trail system in Diversion Pool Canyon	SP-R5; SP-R17			Comment 05-51 from Draft SD1, Appendix C
RE179	Conflicts between DWR operations and community desires concerning the use of the diversion dam surface as a trail link from one side of the Diversion Pool to the other	SP-R2; SP-R3			Comment 05-52 from Draft SD1, Appendix C
RE180	State Parks presently has no resources available to manage increased use of the Diversion Pool Canyon	SP-R5			Comment 05-53 from Draft SD1, Appendix C
RE181	What agency could best manage the Diversion Pool resource area?	SP-R5			Comment 05-54 from Draft SD1, Appendix C
RE182	Trail improvements that meet the needs of hikers, equestrians, and bicyclists and that provide connection to a regional trail network as set forth in a comprehensive trails plan element to the recreation plan	SP-R13; SP-R17			Comment 05-56 from Draft SD1, Appendix C
RE183	Acquisition of property on the south side of the Diversion Pool canyon for additional uses, i.e., equestrian special events center, picnicking, nature observation, fishing, trail use and low impact lodging (camping, B&B's Eco-lodge facility)		X		Comment 05-57 from Draft SD1, Appendix C

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE184	Use of DWR-owned land north of the diversion pool to Cherokee Rd for a Rodeo Grounds and Event Center	SP-R9; SP-R12; SP-R17			Comment 05-58 from Draft SD1, Appendix C Loafer Creek Equestrian Site Improvements and Group Staging Areas are Interim Recreation Projects
RE185	Extension of nature programs from existing nature center	SP-R9; SP-R13; SP-R17			Comment 05-59 from Draft SD1, Appendix C
RE186	Focused trail compatibility study in advance of a more comprehensive trail plan element to the recreation area	SP-R13			Comment 05-60 from Draft SD1, Appendix C
RE187	Feasibility of use of DWR property between the Diversion Pool and Cherokee Rd. being developed into a Rodeo and Event Center for the region.	SP-R9; SP-R12; SP-R17			Comment 05-61 from Draft SD1, Appendix C Loafer Creek Equestrian Site Improvements and Group Staging Areas are Interim Recreation Projects
RE188	Feasibility study of relocating the DWR Maintenance facility at the Diversion Pool				Comment 05-62 from Draft SD1, Appendix C No facility re-location is contemplated at this time.

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE189	Feasibility study of establishing an equestrian event center	SP-R9; SP-R12; SP-R17			Comment 05-63 from Draft SD1, Appendix C Loafer Creek Equestrian Site Improvements and Group Staging Areas are Interim Recreation Projects
RE190	Feasibility study of establishing a rodeo and special event facility	SP-R9; SP-R12; SP-R17			Comment 05-64 from Draft SD1, Appendix C Loafer Creek Equestrian Site Improvements and Group Staging Areas are Interim Recreation Projects
RE191	Governance study for this resource area	SP-R5			Comment 05-65 from Draft SD1, Appendix C
RE192	Other sites Thermalito Forebay being considered for a new regional visitor center	SP-R9; SP-R12; SP-R17			Comment 05-66 from Draft SD1, Appendix C
RE193	What agency could best manage the Thermalito Forebay resource area?	SP-R5			Comment 05-67 from Draft SD1, Appendix C
RE194	Recreation related economic development, i.e., golf course/ conference center, lodging, restaurants, etc.(take advantage of existing infrastructure)	SP-R17; SP-R18			Comment 05-68 from Draft SD1, Appendix C
RE195	State Parks new visitor center site	SP-R9; SP-R12; SP-R17			Comment 05-69 from Draft SD1, Appendix C

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE196	Special events venue, i.e., power boat racing	SP-R17			Comment 05-70 from Draft SD1, Appendix C Group Staging Area and Tournament Water Ski Site are Interim Recreation Projects
RE197	Regional visitor center site study	SP-R9; SP-R12; SP-R17			Comment 05-71 from Draft SD1, Appendix C
RE198	Market demand study for year-round public/private sector development with recreation amenities			X	Comment 05-72 from Draft SD1, Appendix C
RE199	Governance study for this resource area	SP-R5			Comment 05-73 from Draft SD1, Appendix C
RE200	Future residential development around the Afterbay could conflict with some active recreation activity, i.e., jet skiing, boat racing, etc	SP-L1; SP-R9; SP-R12			Comment 05-74 from Draft SD1, Appendix C
RE201	4-5 feet per day fluctuation constrains some water related recreation uses and body contact uses (muddy shoreline)	SP-R3			Comment 05-75 from Draft SD1, Appendix C
RE202	City of Oroville growth projections around Forebay	SP-L1			Comment 05-81 from Draft SD1, Appendix C
RE203	Equestrian center location study (Proposed at Diversion Pool and Forebay)	SP-R9; SP-R12; SP-R17			Comment 05-82 from Draft SD1, Appendix C Loafer Creek Equestrian Camp Improvements and Group Staging Areas are Interim Recreation Projects

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE204	Significant damage has occurred to natural values at Feather River between Oroville Dam to Gridley	SP-R3; SP-R4; SP-R11; SP-T3/5			Comment 05-83 from Draft SD1, Appendix C
RE205	Conflict with State Parks on site for future regional visitor center Feather River between Oroville Dam to Gridley	SP-R5L SP-R17			Comment 05-84 from Draft SD1, Appendix C
RE206	How to reconnect the river with the city, i.e., physically, visually, emotionally, culturally?			X	Comment 05-85 from Draft SD1, Appendix C
RE207	Low flow (400-600 cfs.) and cold water for fish constrains public use of river for body contact recreation	SP-R3; SP-R4			Comment 05-86 from Draft SD1, Appendix C
RE208	Close former City Park at Feather River between Oroville Dam to Gridley			X	Comment 05-87 from Draft SD1, Appendix C
RE209	Fish hatchery visitor facilities and associated landscaping needs renewal and ongoing maintenance	SP-R10; SP-R11			Comment 05-88 from Draft SD1, Appendix C Fish Hatchery Landscaping is an Interim Recreation Project
RE210	Opportunity and constraints analysis of each resource groups 1-8			X	Comment 05-108 from Draft SD1, Appendix C
RE211	Synchronized planning between CDWR, CDPR, CDFG, LOJPA, and units of local government	SP-R5			Comment 05-109 from Draft SD1, Appendix C
RE212	A financial audit of the Lake Oroville State Recreation Area attendance, revenues, and costs for the past 10 years is needed to establish a baseline for present and future service levels and operations and maintenance impact studies	SP-R17			Comment 05-110 from Draft SD1, Appendix C

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE213	Supply and demand study for water related outdoor recreation opportunities within a 150 mile radius of Lake Oroville	SP-R17			Comment 05-111 from Draft SD1, Appendix C
RE214	Regional tourism marketing study for the LORA	SP-R18			Comment 05-112 from Draft SD1, Appendix C
RE215	Weather impact study for the LORA			X	Comment 05-113 from Draft SD1, Appendix C
RE216	Warm water swimming area feasibility study within the LORA	SP-R9; SP-R19; SP-R17			Comment 05-114 from Draft SD1, Appendix C
RE217	Project economic feasibility studies as appropriate				Comment 05-115 from Draft SD1, Appendix C
RE218	Governance study of the best way to manage the LORA and its separate components	SP-R5			Comment 05-117 from Draft SD1, Appendix C
RE219	Determine Capital improvement and triggers for the next 50 years.			X	Comment 05-118 from Draft SD1, Appendix C
RE220	Review of existing planning studies relative to Lake Oroville and comparable reservoirs in the state of California	SP-L3			Comment 05-119 from Draft SD1, Appendix C
RE221	Licensee as responsible to FERC for a recreation plan, needs to plan in detail enough that DPR will not be the only one to plan the details for recreation facilities for any part of the project	SP-R5; SP-R12			

Draft SD1 Appendix B Reference #	Recreation and Socioeconomics Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
RE222	Foreman Creek: Develop vault toilet facility.	SP-R1; SP-R5; SP-R6; SP-R7; SP-R8; SP-R9; SP-R10; SP-R11; SP-R12; SP-R13; SP-R15; SP-R16; SP-R17;			Comment 02-12 from Draft SD1, Appendix C

NON – RESOURCE SPECIFIC COMMENTS

The following comments came from the Draft SD1 Appendix C and did not address resource issues or were not applicable to the relicensing process. The reference number below corresponds to the comment number from the Draft SD1 Appendix C.

Draft SD1 Appendix C Reference #	Non-Resource Specific Comments Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
05-02	When consolidating comments from all workgroups, add “water contact recreation” to the list of effects to be studied. This wording should be added to W10 and W14.				Not applicable. This comment proposes a revision to an issue statement developed by the collaborative.
05-03	In regards to Item R1. <u>Determine</u> adequacy of existing project recreation facilities, opportunities, and access to accommodate current use and future demand				Not applicable. This comment proposes a revision to an issue statement developed by the collaborative.
05-04	In regards to Item R2. <u>Determine</u> adequacy of public safety at the Oroville Project recreation facilities				Not applicable. This comment proposes a revision to an issue statement developed by the collaborative.
05-05	In regards to Item R3. <u>Determine</u> effects of <u>hydroelectric and water works</u> facilities operations on <u>present and future</u> recreation and socioeconomic opportunities				Not applicable. This comment proposes a revision to an issue statement developed by the collaborative.

Draft SD1 Appendix C Reference #	Non-Resource Specific Comments Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
05-06	In regards to Item R 4. Reword: Determine “best practice” operations and maintenance standards for reservoir operations and apply criteria to Lake Oroville Recreation Area’s present practice to determine existing O&M deficiencies				Not applicable. This comment proposes a revision to an issue statement developed by the collaborative.
05-07	In regards to Item R5. Reword to: Project applicant provide, as a project cost, funding for the development, operations and maintenance of future recreation enhancement programs and improvements pursuant to new FERC License agreement				Not applicable. This comment proposes a revision to an issue statement developed by the collaborative.
05-08	In regards to Item R6. Reword to: Determine if present and proposed management of fisheries and wildlife resources can be modified to provide enhanced recreation opportunities as a project cost.				Not applicable. This comment proposes a revision to an issue statement developed by the collaborative.
05-09	Conduct operations and maintenance impact studies for all proposed recreation programs/facilities using “best practice” operations and maintenance standards				Not applicable. This comment suggests a new issue statement not acted upon by the collaborative.
05-10	In regards to Item S1. Reword to: How are outdoor, water based recreation opportunities related to economic development and regional tourism, and can enhancements be made to the current inventory of recreation programs/improvements that will stimulate economic development?				Not applicable. This comment proposes a revision to an issue statement developed by the collaborative.
05-11	In regards to Item S2. Reword to: Determine the feasibility of providing a project benefit to the community, by discounting the sale of power or providing in-kind services (electricity) to the community surrounding Lake Oroville as a stimulus to economic development of industry in the area				Not applicable. This comment proposes a revision to an issue statement developed by the collaborative.

Draft SD1 Appendix C Reference #	Non-Resource Specific Comments Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
05-12	Determine the negative impact of the loss of recreation opportunities and corresponding spending in the local economy as a result of the severe draw down of Lake Oroville from May through September each year (the peak season for reservoir operations in California)"				Not applicable. This comment suggests a new issue statement not acted upon by the collaborative.
05-13	Determine ways and means to mitigate low attendance because of the negative impact of low water elevations during May to September relative to the elevation at which developed high pool shoreline recreation facilities are located"				Not applicable. This comment suggests a new issue statement not acted upon by the collaborative.
05-14	Develop appropriate services and appropriate revenue enhancement strategies in conjunction with private enterprise for future recreation improvement clusters related to Lake Oroville Recreation Area resource areas				Not applicable. This comment suggests a new issue statement not acted upon by the collaborative.
05-16	In regards to E4: Add to the end of the sentence. "and present and future proposed recreation programs and facilities"				Not applicable. This comment proposes a revision to an issue statement developed by the collaborative.
05-17	In regards to E6: Add to the end of the sentence "and present and future proposed recreation programs and facilities"				Not applicable. This comment proposes a revision to an issue statement developed by the collaborative.
05-18	In regards to E7: Add to the end of the sentence "including the impacts on existing and proposed recreation programs and facilities"				Not applicable. This comment proposes a revision to an issue statement developed by the collaborative.

Draft SD1 Appendix C Reference #	Non-Resource Specific Comments Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
05-19	In regards to E8: Add to the end of the sentence, "including existing and proposed recreation programs and facilities"				Not applicable. This comment proposes a revision to an issue statement developed by the collaborative.
05-20	In regards to E10 Reword to: Effect of future water demands on project operations including power generation, lake levels downstream flows <u>and present and proposed recreation programs and facilities</u> . Consider sale of existing water allotments to downstream users				Not applicable. This comment proposes a revision to an issue statement developed by the collaborative.
05-21	In regards to E12: Add additional sentence, "Also, evaluate the impact of each model on present and future proposed recreation programs and facilities"				Not applicable. This comment proposes a revision to an issue statement developed by the collaborative.
05-22	It is recommended that the DWR staff sort all of the items in Exhibit B using a similar system to that proposed above and then return the organized data to the Work Groups and the Plenary Group for further processing				Comment noted.
05-23	DWR should sort our recreation issues, concerns, and comments from Appendix B according to the respective geographical recourse area in which they may occur (e.g. Group 1. Oroville Reservoir; Group 2. Diversion Pool; Group 3. Forebay; Group 4. Afterbay; Group 5. Feather River (Oroville Dam to Gridley); Group 6. Wildlife Area; Group 7. ALP FERC Project 2100 in General)				Comment noted.
05-107	Inventory and analysis on all regional resources (cultural, archeological, recreation, fish & wildlife, open space, agriculture, etc.)				Comment noted. This is a requirement of the relicensing process.

Draft SD1 Appendix C Reference #	Non-Resource Specific Comments Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
05-116	Engineering feasibility studies as appropriate				Comment noted. This is a requirement of the relicensing process.
06-01	Request for full public review, participation, and disclosure in the CEQA – NEPA process				Comment noted. This is a requirement of the relicensing process.
06-02	Project location should include other SWP facilities			X	Not applicable. This request is outside the boundaries of the FERC defined Oroville Facilities.
06-03	Project description should include other SWP facilities			X	Not applicable. This request is outside the boundaries of the FERC defined Oroville Facilities.
06-04	The project description should include Harvey O Banks Pumping Plant			X	Not applicable. This request is outside the boundaries of the FERC defined Oroville Facilities.
06-05	Project description should include the California Aqueduct			X	Not applicable. This request is outside the boundaries of the FERC defined Oroville Facilities.
06-06	The project description should include the Oroville Wildlife Area				This area is included within the Oroville Facilities description and will be included in the relicensing process.

Draft SD1 Appendix C Reference #	Non-Resource Specific Comments Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
06-07	The project description should include Lake Davis			X	Not applicable. This request is outside the boundaries of the FERC defined Oroville Facilities.
06-08	The project description should include Frenchman Reservoir			X	Not applicable. This request is outside the boundaries of the FERC defined Oroville Facilities.
06-09	The project description should include the State Water Project			X	Not applicable. This request is outside the boundaries of the FERC defined Oroville Facilities.
06-10	Cumulative impacts of the whole project should be considered and disclosed				Comment noted. This is a requirement of the regulatory process.
06-11	Request for joint preparation of an EIR/EIS				Comment noted.
06-18	The environmental document should include a biological assessment and biological opinion.				Comment noted
06-21	Disclose operation and management of the Hatchery by CDFG under the new license				Comment noted.
06-24	Re-evaluate the Post Oroville Projects Fishery Study and implementation				Not applicable. The current studies will supersede the older ones.
06-27	Consider operation of the Thermalito Afterbay Reservoir as a closed reservoir system for fisheries benefits				Not applicable. Operational constraints require that water is returned to the river.

Draft SD1 Appendix C Reference #	Non-Resource Specific Comments Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
06-32	Improve the public boat launching facility at Honker Cover Boating Launching Facilities at Lake Davis			X	Not applicable. This request is outside the boundaries of the FERC defined Oroville Facilities.
06-33	Improve the public boat launching facility at Lighting Tree Boating Launching Facilities at Lake Davis			X	Not applicable. This request is outside the boundaries of the FERC defined Oroville Facilities.
06-34	Improve the public auto access to the Camp 5 Boating Launching Facilities at Lake Davis by improving paved and unpaved roads.			X	Not applicable. This request is outside the boundaries of the FERC defined Oroville Facilities.
06-35	Evaluate the funds paid annually for recreation facilities at Lake Davis			X	Not applicable. This request is outside the boundaries of the FERC defined Oroville Facilities.
06-36	Evaluate agreements between DWR and USFS for recreation facilities at Lake Davis			X	Not applicable. This request is outside the boundaries of the FERC defined Oroville Facilities.
06-37	Evaluate restrictions on water skiing and power watercrafts to the southern portion of Frenchman Reservoir, to reduce the conflict with fishing activities			X	Not applicable. This request is outside the boundaries of the FERC defined Oroville Facilities.
06-39	Consider water rights for Feather River underflow			X	Not applicable. This is a non-jurisdictional issue.
06-40	Consider the water rights for storage, diversion, and use of water from the Afterbay Reservoir Pumps			X	Not applicable. This is a non-jurisdictional issue.

Draft SD1 Appendix C Reference #	Non-Resource Specific Comments Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
06-41	Evaluate project conflicts with the area of origin filings by the SWRCB for Plumas & Butte Counties and South Delta			X	Not applicable.
06-43	Disclose power generation, expenditures, and revenue associated with the Oroville Facilities				Comment noted. This will be included in the draft application, Exhibit D, in keeping with the FERC requirements.
06-45	Disclose all agreements associated with water diversion at the State Pumps in the South Delta and consider the cumulative effects on water quality and water quantity			X	Not applicable. This request is outside the boundaries of the FERC defined Oroville Facilities.
06-49	Disclose all water rights, for storage, diversion, re-diversion, and use.			X	Not applicable. This is a non-jurisdictional issue.
06-62	Evaluate Feather River flows to the Delta when the Lower Yuba River water is transferred.			X	Not applicable.
06-65	Provide hydrologic data for water use at Oroville, the State Pumps in the South Delta, and California Aqueduct				Comment noted.
06-66	Consider cumulative effects for all issues and concerns listed in Appendix B				Comment noted.
06-67	Comply with the CEQA Guidelines				Comment noted.
06-68	Evaluate the 4(e) conditions for compliance with the Forest Land and Resources Management Plan				Comment noted.
06-69	Evaluate preliminary 4(e) conditions for direct, indirect, and cumulative effects on the environment				Comment noted.

Draft SD1 Appendix C Reference #	Non-Resource Specific Comments Master List	Effects Studies	Potential Settlement Issue	Not a Relicensing Issue	Notes
06-70	Evaluate final 4(e) conditions for direct, indirect, and cumulative effects on the environment				Comment noted.